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Priority Pollutant Removal from Mine Drainage

Midwest Research Inst., Kansas City, MO

Prepared for

Industrial Environmental Research Lab.
Cincinnati, OH

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PRIORITY POLLUTANT REMOVAL FROM MINE DRAINAGE

by

John E. Going
Midwest Research Institute
Kansas City, Missouri 64110

FINAL REPORT

Contract No. 68-03-2563, Task 6003
MRI Project No. 4409-L3

Project Officer

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Prepared for

INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY
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16. ABSTRACT

A study of the removal of selected priority pollutants from acid mine drainage was conducted at EPA's Crown, West Virginia, site. The pollutants studied were the volatiles benzene, chloroform, methylene chloride, tetrachloroethene, toluene, trans-dichloroethene; the semivolatiles bis(2-ethylhexyl)phthalate and di-n-butylphthalate; and the metals arsenic, selenium, antimony, mercury, chromium, copper, nickel, lead, and zinc. MRI's role in the study was to provide sampling and analysis support. Specifically, MRI acquired and prepared all sampling supplies; established a coding system to uniquely identify all samples; established a computerized data management system; validated an analytical protocol for the selected pollutants; received, documented and shipped samples from Crown to MRI; and analyzed samples.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS		b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Priority pollutants	Benzene		
Acid mine drainage	Chloroform		
Sampling	Toluene		
Analysis	Arsenic		
bis(2-Ethylhexyl)phthalate	Selenium		
Di-n-butylphthalate	Antimony		

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FOREWORD

When energy and material resources are extracted, processed, converted, and used, the related pollutional impacts on our environment and even on our health often require that new and increasingly more efficient pollution control methods be used. The Industrial Environmental Research Laboratory - Cincinnati (IERL-Ci) assists in developing and demonstrating new and improved methodologies that will meet these needs both efficiently and economically.

This report documents the analytical support functions supplied by Midwest Research Institute in a cooperative study between IERL and Effluent Guidelines Division to remove selected priority pollutants from mine drainage. The process evaluations, prepared by Versar, Inc., should be consulted to fully summarize the study and the results. This report serves as a quality control document and should be viewed as an Appendix to the Versar report. This subject has been under study by the Resource Extraction and Handling Division of the Industrial Environmental Research Laboratory which may be contacted for further information.

David G. Stephan
Director
Industrial Environmental Research
  Laboratory - Cincinnati

PREFACE

The report describes the sampling and analysis methods that were used in support of the mine drainage treatability study conducted at the Environmental Protection Agency, Crown, West Virginia, site. The report also contains all the results obtained during the study. The report was prepared by Dr. John E. Going in fulfillment of Contract No. 68-03-2563, Task 6003.

Significant contributions to this project were made by Dr. Earl Hansen, Technical Program Manager; Dr. Clarence Haile, Gas Chromatography/Mass Spectrometry (GC/MS) Analysis; Ms. Carol Green, Metals Analysis; Mr. Paul Cramer, Volatile Organics Analysis, Ms. Janine Neils, Phthalates Analysis; Mr. Larry Rust, Computer Programming; and Mr. Mike Kalinowski, Field Crew. Questions regarding this report should be directed to Dr. John Going, Head, Environmental Analysis Section (816-753-7600).

Approved for:

MIDWEST RESEARCH INSTITUTE
J Going for JLS.
James L. Spigarelli, Director
Analytical Chemistry Department

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SECTION 1

INTRODUCTION

The Extraction Technology Branch alone and in cooperation with the Effluent Guideline Division has conducted studies on the treatability of acid mine drainage (AMD). As part of the program, the EPA established their Crown Mine Drainage Central Field Site (Crown) located near Morgantown, West Virginia.

The study immediately preceeding this program focused on the removal of 10 specific toxic materials from AMD. These were arsenic, boron, cadmium, chromium, copper, mercury, nickel, phosphorus, selenium, and zinc. The purpose was to study the effectiveness of lime neutralization, reverse osmosis, and ion exchange in removing these toxic materials from AMD under typical operating conditions. The toxic materials were injected into AMD from the same source used in previous studies at the Crown site. This simulated toxic drainage was used as feed for each treatment process.

The emphasis in this study was on the removal of nine specific priority pollutants from AMD. The priority pollutants studied were: the seven volatiles benzene, chloroform, methylene chloride, tetrachloroethene, toluene, trans-dichloroethene, and 1,1,1-trichloroethane and the two phthalates bis-(2-ethylhexyl)phthalate and di-n-butylphthalate. These pollutants had been found in mine drainages in quantities sufficient to warrant control technology investigations.

As before, the pollutants of interest were injected into AMD to form a stream of known concentration which was subjected to various treatment processes. Although not part of the original statement of work, various metals were also spiked into AMD during a limited period of the program.

MRI's role in the program centered mainly around sample analysis. The statement of work required bottle acquisition and preparation, sample shipment, sample analysis, analytical quality assurance, data reporting and preparation of the final report.

This report describes the program as follows: Section 2, Summary; Section 3, Sampling and Analysis Procedures; Section 4, Results. Appendices contain some specific methods, a data handling computer program and most of the results.

SECTION 2

SUMMARY

MRI's role in the study on removal of priority pollutants from AMD was to provide sampling and analysis support. In this context, MRI performed a variety of tasks which are listed below. In addition to these specific tasks, MRI frequently provided consultation and advice to VERSAR and EPA personnel involved in the project.

- Acquired and prepared sampling bottles, shipping containers and supplies to be used by EPA.
- Established a system for shipment of samples from Crown to MRI with 24-hr delivery.
- Prepared sample labels and established a sample coding system to uniquely identify all samples anticipated.
- Established a computerized data management system to store sample codes and analytical data which allowed data retrieval by VERSAR.
- Established and validated an analytical protocol for the selected priority pollutant in AMD.
- Participated on-site in the treatability study by providing a full-time staff member.
- Received, recorded, and shipped samples form Crown to MRI on a daily basis throughout the program.
- Received and coded samples at MRI on a daily basis throughout the program.
- Analyzed samples as received and entered data into the computerized data management system.

A large number of samples were collected, shipped and analyzed throughout the program. Table 1 provides a summary of those activities.

TABLE 1. SUMMARY OF SAMPLING AND ANALYSIS ACTIVITIES

Parameter	Samples (bottles) collected and sent to MRIa/	No. of unique samples (coded + TOC)b/	Samples analyzed at MRI (includes quality assurance plus specials)c/	Data points (includes quality assurance plus specials)
Volatiles by GC	-	484	426	2,996
Phthalates by GC	-	488	641	1,282
Volatiles by GC/MS	-	122	117	90d/
Semivolatiles by GC/MS	-	99	80	201d/
Metals	-	509	211e/	1,571
Total organic carbon	-	274	274	440
Total	4,904f/	1,976	1,749	6,580

a/ The numbers of bottles collected by parameter were not readily available.

b/ The following samples were not coded: Crown VOAs, Fish, and Lagoon VOAs.

c/ Difference in numbers of samples coded and analyzed due to addition of QA and special samples and subtraction of samples lost or not analyzed as ordered.

d/ Data includes only reported values that were > 10 ppb. "Not detected" priority pollutants were not counted as data points. Nothing was found in 78 VOA samples and 17 semivolatile samples.

e/ A number of low priority metal samples were sent to Regional EPA Laboratories (Chicago, Denver) and VERSAR for analysis.

f/ Does not include 1,026 VOA vials collected for analysis at Crown.

SECTION 3

SAMPLING AND ANALYSIS PROCEDURES

SAMPLING

Sampling Supplies

As required by the scope of work, MRI provided the necessary sample bottles, preservation supplies and shipping coolers. The sampling bottles consisted of 1-qt brown bottles with Teflon® liners for metals and semivolatiles, 1-qt plastic bottles for cyanide and 40-ml vials with Teflon® lined open-topped screw caps for VOAs. Also supplied were 2.5-gal. jugs for ISCO composite samplers. The bottles were prepared at MRI using, as a guide, the EPA sampling protocol for measurements of toxics.[1]

Special precautions were taken in the preparation of vials and organic-free water for VOA sampling. All VOA bottle cleaning, preparations for shipment and preparations of field blank vials were done in a special laboratory. Vials for VOA samples were washed with soap, rinsed with organic-free water and held in an oven at 200°C until they were capped and shipped. No organic solvents were allowed in the laboratory and no extraction work was done in either of the adjacent laboratories. Also, the laboratory doors were kept closed throughout the program.

Preweighed packets of ascorbic acid were prepared at MRI and shipped to Crown for use in the preservation of cyanide samples.

Sampling Logistics and Sample Shipment

The actual collection of samples at Crown was the responsibility of the EPA employees. VERSAR had responsibility for preparation of sampling plan and MRI provided containers for that plan. In order to maintain control over this extensive, high volume sampling effort, MRI assigned personnel full time to the Crown facility. MRI's field representative would receive the sampling plan from VERSAR, generally 1 day in advance. He would then assemble the appropriate sampling bottles and place them in a cooler. The coolers and bottles were picked up in the morning by EPA and returned full later that day. All samples collected during the day were stored in a refrigerator pending coding and shipping. At the end of each day, all the samples were coded, placed in coolers and transported by ground to the Pittsburgh, Pennsylvania Airport for express shipment to Kansas City or Minneapolis. Normally, samples were received, preserved and placed in cold storage in less than 24 hr after collection.

. Sample Labeling and Field Records

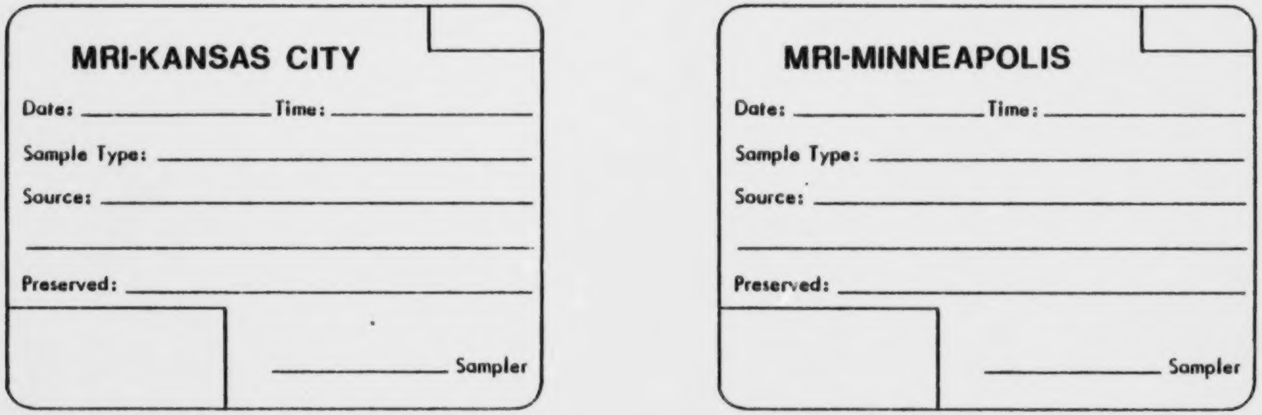
Labeling--

The different types of sample analyses that would be required were established at the beginning of the program. The eight types are listed in Table 1 under Parameter/Instrument heading. It was also established which of the analyses would be conducted at the North Star Analytical Laboratory (Minneapolis, Minnesota) and which would be performed at the Kansas City Laboratory. It was recognized that multiple analysis types plus the multiple shipping locations could create confusion. A system was required that would ensure that the right sample was collected in the right bottle and was shipped to the right city. Consequently, a series of color-coded preprinted labels were obtained that were conceived to prevent those types of errors. Facsimiles of three labels are shown in Figure 1. Note that the name of intended city is printed on the label. Also the color of the label (not shown in the figure) is associated with a specific Parameter/Insturment as listed in Table 2. With this system, the sampling crew knew exactly what bottle to use for collection of a particular sample. Also MRI's field representative was able to readily separate the samples bound for Kansas City from those bound for Minneapolis. A label size discrimination was also used in that the small labels were only used on VOA vials. The color coding also proved to be of value in the analytical laboratories when searching for specific types of samples.

Field Records--

The bottle labels were prepared with information blocks to be filled in by the sampling crew. The bottles were delivered daily to MRI's field representative who prepared the daily sampling log. An example of the field log is shown in Figure 2. Every bottle that was collected at Crown or sent from Crown was assigned a unique sample number. The information noted on the sample bottles was transferred to the field log. The headings at the top of the sheet indicate the "acceptable" entries. These selections had been made by VERSAR and MRI early in the program.

An example of entries for three samples is also shown in Figure 2. The use of the field sheet was an important step in the record keeping operation. It allowed discrepancies in the label information to be checked immediately in the field and provided an easy means of entering and documenting special samples, field blanks, field spikes, etc. Copies of the daily log accompanied the samples sent to Kansas City and to Minneapolis and were used to log in samples. Used in this fashion, the daily log and the laboratory log-in notebook establishes a sample chain-of-custody. A copy was also placed on file at Crown.



MRI-KANSAS CITY

Date: ______________ Time: ______________

Sample Type: ______________

Source: ______________

____

Preserved: ______________

______________ Sampler

MRI-MINNEAPOLIS

Date: ______________ Time: ______________

Sample Type: ______________

Source: ______________

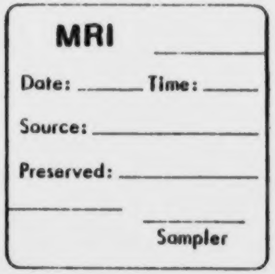
____

Preserved: ______________

______________ Sampler

a. Semivolatile Organic or Metal

b. Phthalate



MRI

Date: ______ Time: ______

Source: ______________

Preserved: ______________

______________ Sampler

c. Volatile Organic

Figure 1. Facsimiles of bottle labels.

TABLE 2. LABEL SYSTEM

Parameter	Color	Size	Destination
7 VOAs by GC	Purple	2 in x 2 in	Kansas City
Phthalates by GC	Green	3 in x 4 in	Minneapolis
7 VOAs by GC/MS	Pink	2 in x 2 in	Kansas City
Phthalates by GC/MS	Yellow	3 in x 4 in	Kansas City
VOAs by GC/MS	Silver	2 in x 2 in	Kansas City
Semivolatiles by GC/MS	Red	3 in x 4 in	Kansas City
Metals	Blue	3 in x 4 in	Kansas City
Cyanide	White	3 in x 4 in	Minneapolis

Figure 2. Daily sampling log.

Daily Sampling Log - 4409-L3 Date 6-26-78 Page 1 MK
(Name)

Sampling Methods
Grab
16 Hour Composite
6 Hour Composite

Unit
Neutralization
Reverse Osmosis
Ozonation
Carbon
Background

Type
Raw
Spiked Raw
Treated
Sludge
Blank
Field Spike

Parameter
7 VOAs by GC - Purple, KC
Phthalates by GC - Green, NS
7 VOAs by GC/MS - Pink, KC
Phthalates by GC/MS - Yellow, KC
VOAs by GC/MS - Silver, KC
SVOs by GC/MS - Red, KC
Inorganics, Metals - Blue, KC
Cyanide - White, NS

Sample #	Time	Sampling Method	Treatment Unit	Sample Type	Parameter	Comments
2937	1144	Grab	Background	Blank	SVO's GC/ms	KC
2950	1424	6 hour Composite	Neutralization	Treated	Phthalates GC	NS
2970	1510	Grab	Background	Raw	VOA GC/ms	KC

Sampling Quality Assurance

Because of the nature of the program, i.e., sampling by EPA and sampling plans be VERSAR, MRI was not involved in or required to establish a sampling QA program. Considerable QA was in fact built into the sampling program by inclusion of blanks, etc. The most likely point for problems to occur, which would not be controlled by VERSAR's sampling program, was felt to be with the storage and shipment of VOA samples. For this reason, MRI initiated its own QA program of field blanks and field spikes. Field blanks consisted of VOA vials containing organic-free preanalyzed water and were used as indicators of field contamination. The vials were prepared at MRI and sent to Crown. They were stored at Crown along with the samples and periodically returned to Kansas City for analysis. Field spikes, also prepared at MRI and shipped to Crown for storage and periodic return, were included as a check on stability during storage and shipment.

SAMPLE ANALYSIS

Volatile Organics

Volatile organics were analyzed in water, sludge samples, fish and several special samples by either gas chromatography/flame ionization detection (GC/FID) or gas chromatography/mass spectrometery (GC/MS). Generally, GC/FID was used for the determination of the seven selected volatiles while GC/MS was used for the determination of all volatile priority pollutants using the screening protocol.[2]

Sample Preparation--

Water samples and sludge samples were handled in essentially the same manner. The sample was poured to overflowing into a 10-ml glass syringe fitted with a Teflon® plunger. The plunger was inserted, the syringe was pointed upward and the plunger was further inserted to remove air bubbles. Exactly 10 ml of sample was left in the syringe which was then sealed by the attached Teflon two-way valve. A second identical syringe was prepared to be used for duplicate analysis or in case the first analysis was unacceptable. Sludge samples were prepared similarly except that they were vigorously shaken before removing the subsample in order to achieve a homogeneous distribution of the solids. Immediately prior to transferring the sample to the purge tube, the two internal standards (IS) were spiked into the syringe. This was accomplished by inverting the syringe, opening the valve and slightly withdrawing the plunger. The IS was then added by injecting through the valve 5 µl of a methanol solution which was 40 ppm in bromochloromethane and 300 ppm in 2-bromo-1-chloropropane. The sample was then transferred to the purging system.

The whole fish were prepared for analysis using the methods published by the EPA, EMSL.[3] Copies of the document that apply to this specific analysis are attached as Appendix A. The basis of the method is a headspace analysis with standard addition. An aliquot of the fish (10 g) is sonicated in 10 ml H_2O in a 40 ml vial. The vial is heated to 9°C for 1 hr and 2 cm^3 of headspace gas are withdrawn for analysis. For the Crown fish, GC analysis rather than GC/MS analysis was employed and only the seven selected volatiles were considered. Generally a single standard addition was made rather than a three-level standard addition. A description of the fish samples is given in Table 3.

TABLE 3. FISH SAMPLES FROM THE CROWN FACILITY FINAL LAGOON

	Fish No. 1	Fish No. 2	Fish No. 3	Fish No. 4	Fish No. 5
Weight (g)	752	87	157	750	485
Species	Largemouth bass	Largemouth bass	Largemouth bass	Largemouth bass	Largemouth bass

Special samples received for volatile analysis included oil film, solid lime and flocculant. The oil film samples and the flocculant sample were prepared for analysis like a normal water sample. The lime sample was prepared as a 1% solution and treated as a normal water sample.

Sample Analysis--

Water and sludge samples as well as the special samples were analyzed with the purging and chromatographic conditions given in Table 4. The purge system is shown in Figure 3 and the total VOA system is shown in Figure 4. The detector may be either a flame ionization detector or a mass spectrometer.

Standards for GC/FID analysis consisted of the seven selected volatiles plus the two IS's and were treated exactly as samples. Area ratios obtained from the standards were compared with samples area ratios for quantitation of the seven volatiles. Standards for GC/MS analysis consisted of all the volatile priority pollutants plus internal standards.

Identification was made with extracted ion current plots (EICP). Necessary conditions for identification were coincidence of sample and standard EICP maximum (retention time match) plus agreement of standard and sample peak ratios. Quantitation was based on area ratios of standards and samples as before.

Fish samples were analyzed for volatiles by a headspace technique rather than purge and trap. The chromatography conditions listed in Table 4 were unchanged from the other VOA systems. Quantitation, however, was done by a one or two level standard addition procedure.

Semivolatile Organics (SVO)

Semivolatile organics were determined in water, sludge samples, fish samples plus several special samples by both gas chromatography/electron capture detection (GC/EC) or gas chromatography/mass spectrometry (GC/MS). Normally, GC/EC was used for determination of the two selected phthalates, regardless of the sample type and GC/MS was used as a screening technique for all the SVO priority pollutants.

TABLE 4. ANALYSIS CONDITIONS FOR VOLATILES IN WATER, SLUDGE AND FISH

Sample/system	Operating conditions		Quantitation, internal standard
Water and sludges			
Gas chromatography/ flame ionization detection	Purge:	8 min at 40 ml/min, N_2	Quantitation by area ratio to 2 internal standards - bromochloromethane, 2-bromo-1-chloropropane
	Trap:	10 in. x 0.125 in. OD x 0.105 in. ID stainless steel, 2/3 Tenax-GC®, 60/80; 1/3 Chromosorb 102	
	Desorb:	4 min at 180°C	
	Column:	8 ft x 0.125 in. stainless steel with 0.2% Carbowax 1500/ Carbopack C, 60/80 mesh	
	Temperature:	4 min at 40°C, 8°/min to 160°C, hold 5 min	
	Carrier:	Nitrogen at 30 ml/min	
	Sample:	10 ml	
Gas chromatography/ mass spectrometry	Purge:	8 min at 40 ml/min, N_2	Quantitation by relative response to 2 internal standards - bromochloromethane, and 1,4-dichlorobutane
	Trap:	10 in. x 0.125 in. OD x 0.105 in. ID stainless steel, Tenax-GC®, 60/80	
	Desorb:	4 min at 180°C	
	Column:	8 ft x 0.125 in. stainless steel with 0.2% Carbowax 1500/ Carbopack C, 60/80 mesh	
	Temperature:	4 min at 40°C, 8°/min to 160°C, hold 5 min	
	Carrier:	Helium at 30 ml/min	
	Sample:	10 ml	
	MS Scan:	20-275 m/e at 3 to 5 sec/scan	

(continued)

TABLE 4 (continued)

Sample/system	Operating conditions	Quantitation, internal standard
Fish		
Gas chromatography/ flame ionization detection	Column: 8 ft x 0.125 in. stainless steel with 0.2% Carbowax 1500/ Carbopack C, 60/80 mesh	Quantitation by 1 or 2 level standard additions
	Temperature: 4 min at 40°C, 8°/min to 160°C, hold 5 min	
	Carrier: Nitrogen at 30 ml/min	
	Sample: 2.0 cc of headspace	

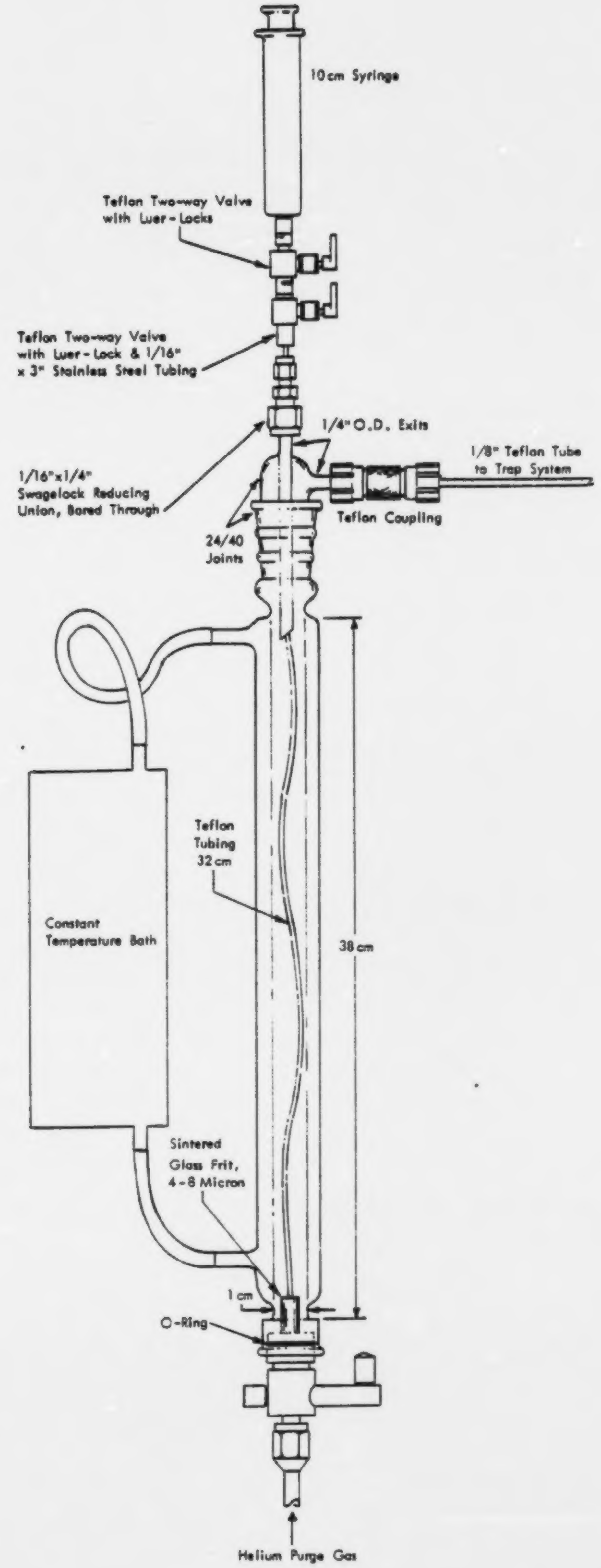

10cm Syringe
Teflon Two-way Valve with Luer-Locks
Teflon Two-way Valve with Luer-Lock & 1/16" x 3" Stainless Steel Tubing
1/4" O.D. Exits
1/8" Teflon Tube to Trap System
1/16"x1/4" Swagelock Reducing Union, Bored Through
Teflon Coupling
24/40 Joints
Teflon Tubing 32cm
Constant Temperature Bath
38cm
Sintered Glass Frit, 4-8 Micron
1cm
O-Ring
Helium Purge Gas

Figure 3. Purging system for volatile organic analysis.

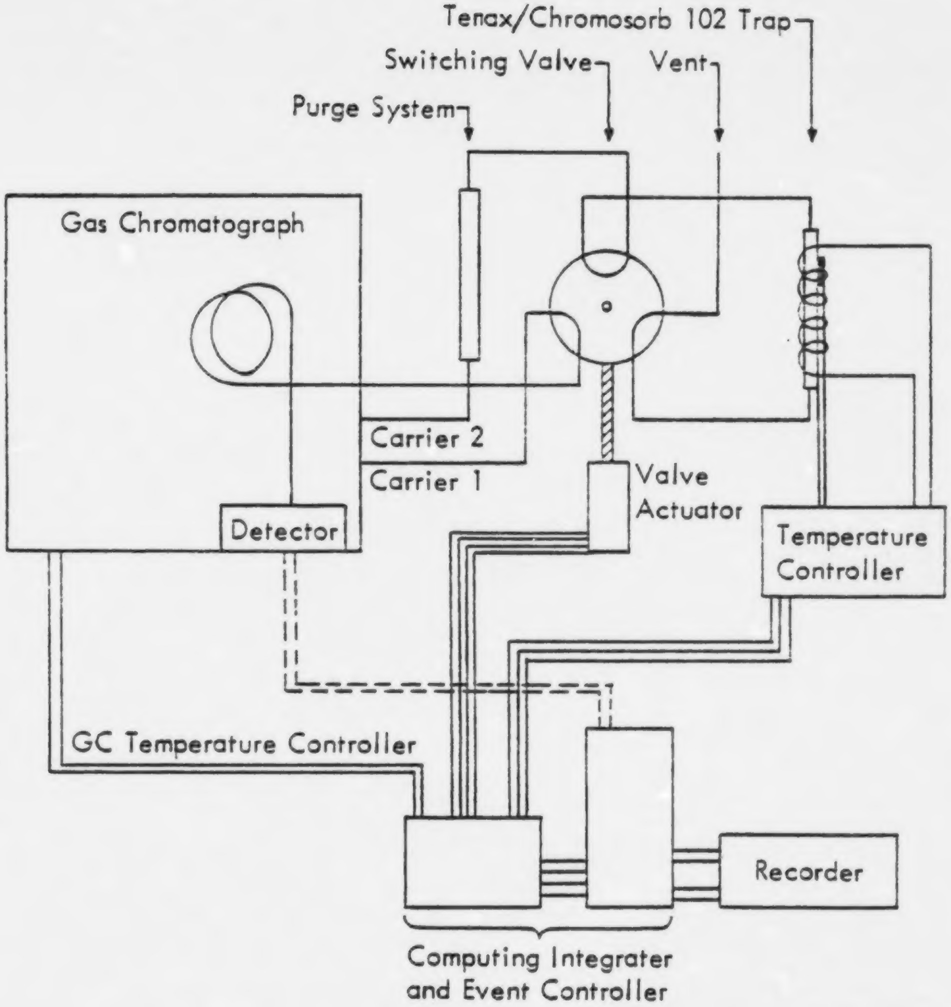


Figure 4. VOA system.

Sample Preparation--

Water and sediment samples were prepared for analysis using screening protocol[2] if all SVO's were required or by a pH > 7 extraction if only phthalates were required. Generally, the samples were extracted using a semiautomatic continuous liquid-liquid extractor operated for $\sim$ 20 hr. Specifics of the procedure are given in Table 5. As part of MRI's Quality Assurance program, water and sludge samples were periodically spiked with known quantities of the selected phthalates prior to extraction. In addition, all water samples being analyzed for phthalates only were spiked with hexachlorobenzene as an indicator of recovery.

TABLE 5. SAMPLE PREPARATION FOR SEMIVOLATILE ORGANIC ANALYSIS

Extraction technique

Continuous liquid-liqued extraction: 20 hr

Extraction conditions

pH: > 12 for base/neutrals
< 2 for acids
or
> 7 for phthalates only
Sample volume: 1,000 ml
Methylene chloride volume: 250 ml initial
1 ml final

A limited number of sludge samples were filtered to allow phthalate and TOC determinations of the filtrate as well as the total sample. Due to the high solids content of these sludges, the phthalate extraction with methylene chloride could not be done. The high density of the clay-containing solids did not permit effective phase separation after extraction and therefore, the samples were diluted with deionized water. To dilute the sample it was stirred, a representative aliquot removed, and diluted 1:4 with deionized water (250 ml sample + 750 ml distilled water). Each diluted sample including a distilled water blank was then pH-adjusted to 7 by adding NaOH on HCl as appropriate and extracted in a heavier than water liquid-liquid extractor for 16 to 20 hr, using methylene chloride as a solvent.

Analysis of the liquid phase samples was performed on the filtrates of the samples. Each sample was vacuum-filtered through No. 1 Whatman filter sheets, which had been prerinsed with methylene chloride. Approximately 30 ml from each sample was put aside for later TOC analysis and the balance of each filtrate was pH-adjusted to 7 and batch extracted for phthalates with methylene chloride.

The fish samples were prepared for analysis following the methods published by EPA, EMSL.[3] Copies of this document that pertains to this analysis are attached as Appendix A. The procedure was based on extraction of 20 g ground fish by acetonitrile and partioning into hexane. Fish No. 1 was spike with phenolic and base/neutral priority pollutants using a standard "Master Mixture" obtained from the EPA.[4] The spike level for all compounds was 1.0 μg/g of frozen ground fish.

Special samples received for phthalate analysis included a flocculant sample and oil film samples from the top of the clarifier. No special preparation procedure was, however, used for these samples.

Sample Analysis--

Phthalate determinations by GC/EC in water, sludge and special samples were made using conditions listed in Table 6. Quantitation was made by external calibration curves. A few samples were analyzed for phthalate only by GC/MS and in these rare cases, the samples were analyzed as a conventional B/N fraction. The analysis conditions for SVOs in these samples plus fish samples are also listed in Table 6. All extracts plus standards for GC/MS analysis were spiked with D-10-Anthracene at 40 μg/ml immediately prior to analysis.

Identification was based on the coincidence of sample and standard EICP's plus agreement of standard and sample peak ratios. Quantitation was made using the peak area ratios generated from analysis of composite standards containing the IS.

Metals

Priority pollutant metals were determined in water, sludge, fish and several special samples by atomic absorption spectroscopy (AAS). Various atomization techniques were used depending on the specific metal being determined.

Sample Preparation--

Since none of the samples were preserved, other than by refrigeration, in the field, every sample received was treated by withdrawing a 200 ml aliquot, adding 10 ml ultrapure (Ultrex) HNO_3 and storing at 4°C. In the original proposal it was planned to evaporate the sample by 10-50 fold and then apply conventional flame AAS for most of the metal analyses. While the evaporation would be time-consuming, it could be in large batches and the final flame analysis would be quite fast. It was quickly discovered that the high solids content of the samples (5-40%) precluded evaporation and those metals which were to be determined by flame AAS would have to be done by the slower electrothermal technique. After addition of the HNO_3 and until the actual analysis, no additional sample preparation was required for the water samples.

The sludge and fish samples were prepared for analysis using the methods published by the EPA, EMSL.[3] Copies of the document that apply to the specific analyses are attached as Appendix A. Separate treatment procedures were defined for (a) mercury; (b) arsenic and selenium; and (c) antimony, beryllium, cadmium, chromium, copper, lead, nickel, thallium, and zinc. Antimony, however, was analyzed from the digestion procedure for arsenic and selenium.

TABLE 6. ANALYSIS CONDITIONS FOR SEMIVOLATILE ORGANICS IN WATER, SLUDGE AND FISH

Parameter		Conditions	Quantitation
Phthalates	System:	Gas chromatography/electron capture	Quantitation by external standard. Hexachlorobenzene added to sample for indication of recovery
	Column:	6 ft x 2 mm ID glass column, 1% SP-2250 on 100/120 Supelcoport	
	Temperature:	215°C	
Semivolatile organics	System:	Gas chromatography/mass spectrometry	Quantitation by relative responses to 40 ng deuterated anthracene, internal standard
	Base/neutrals Column:	6 ft x 2 mm ID glass column, 1% SP-2250 on 100/120 Supelcoport	
	Temperature:	8°C/min to 260°C; hold 15 min	
	Acidics Column:	6 ft x 2 mm ID glass column, 1% SP-1240DA on 100/120 Supelcoport	Quantitation by relative responses to 40 ng deuterated anthracene, internal standard
	Temperature:	10°C/min to 200°C; hold 10 min	

The lime sample was prepared as a 1% solution in deionized water and analyzed as a water sample.

Sample Analysis--

The determinative methods and conditions for the 13 metals are listed in Table 7. Mercury was analyzed by a cold vapor generation method. Aliquots of the sludge and fish digestions were pretreated with a solution of hydroxylamine hydrochloride. These aliquots and aliquots of the acidified water effluents were analyzed for mercury by reducing Hg^{++} to Hg° with a solution of stannous chloride and sweeping the mercury vapor with compressed air into an analyzing cell.

Arsenic, antimony and selenium were analyzed by a hydride generation method. Sample aliquots were added to 20 ml of 50% HCl in reaction vessels. Aliquots for antimony analysis were pretreated 3 min with a solution of sodium iodide. A solution of sodium borohydride, stabilized with sodium hydroxide, was then injected into the reaction cell; a 10-sec reaction time was allowed to produce the gaseous hydride. The hydride was then swept with nitrogen into a hydrogen-nitrogen-entrained air flame.

Total Organic Carbon

Total organic carbon (TOC) was determined in water and sludge samples. Initially, a limited method development phase was conducted which resulted in the selection of a procedure used for the remainder of the samples.

Sample Preparation--

Three methods of sample preparation were evaluated for potential utilization. First, a teflon stirring bar was placed in the untreated sample and while stirring at a rapid rate an aliquot was removed for blending and three injections were taken for the analysis of both total and inorganic carbon. These samples were taken from the midpoint in the side of the vortex.

Secondly, the samples were acidified to a pH of less than 2 with HCl. The samples were again stirred rapidly and several injections were made until there was no longer any absorption recorded when an aliquot was injected into the inorganic furnace. This process usually took 2 to 3 hr. Three injections were then pulled from mid-depth and placed in the total carbon furnace.

Finally, the aliquot removed from the untreated sample was blended in a Waring blender and three injections were made to both the total and inorganic carbon furnaces.

A fourth procedure, a combination of portions of the above, was used for the remaining Crown samples. In this procedure, the samples were acidified to $pH < 2$ and then blended.

Sample Analysis--

Total organic carbon was calculated for the first and third methods by subtracting the inorganic carbon result from the total carbon. For the acidification methods, presumably all inorganic carbon is driven off as CO_2 and the total carbon and total organic carbon values are equivalent. All samples

TABLE 7. PRESERVATION AND ANALYSES CONDITIONS FOR METAL

					Instrument conditions					
Metal	Sample preservation and preparation	Analysis method	Wave-length (nm)	Bkg[a]	Dry time (sec)	Dry temp (°C)	Ash time (sec)	Ash temp (°C)	Atomize time (sec)	Atomize temp (°C)
Antimony	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Hydride generation	217.6	No			H_2 - 10.5 lpm N_2 - 12.3 lpm			
Arsenic	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Hydride generation	193.8	No			H_2 - 10.4 lpm N_2 - 12.3 lpm			
Beryllium	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	235.9	Yes	60	110	20	300	3	2400
Cadmium	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	228.8	Yes	25	110	35	250	5	2100
Chromium	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	358.1	No	25	110	35	250	4	2700
Copper	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	324.8	No	30	110	35	250	5	2500
Lead	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	217.1	Yes	45	110	30	450	7.5	2080
Mercury	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Cold vapor method	253.7	Yes			H_2 - 10.5 lpm N_2 - 12.3 lpm			
Nickel	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	231.9	Yes	30	110	35	800	4	2700
Selenium	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Hydride generation	196.0	No			H_2 - 10.5 lpm N_2 - 12.3 lpm			
Silver	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	328.1	No	20	110	35	250	3	2700
Thallium	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Electrothermal	277.0	Yes	20	110	30	250	6	2300
Zinc	200 ml + 10 ml ultrapure HNO_3, 4°C storage	Flame	213.9	Yes			Air - 12.3 lpm Acetylene - 2.0 lpm			

a Background correction.

were calculated from standard curves that were prepared daily from standards bracketing the expected results. Both total and inorganic carbon results were obtained in this manner. All samples were run on a Beckman 915 carbon analyzer equipped with a Beckman 215 nondispersive IR unit.

DATA HANDLING

This program had a number of unique features that complicated the identification of samples, the association of samples with results, and the general communication of results. Those features were the following:

- Number of unique samples (ultimately ~ 1,900).
- Number of bottles collected and shipped (ultimately ~ 5,000).
- Generation of data at two locations (Kansas City, Minneapolis).
- Rapid need of data at a third location (Washington).

It was concluded that the only way to deal with these problems was to (a) use a coding system that would uniquely identify each sample and (b) to store and transmit data by means of a national time-sharing computer system. The coding system will be discussed followed by a description of the computer program that was written to store and transmit the data.

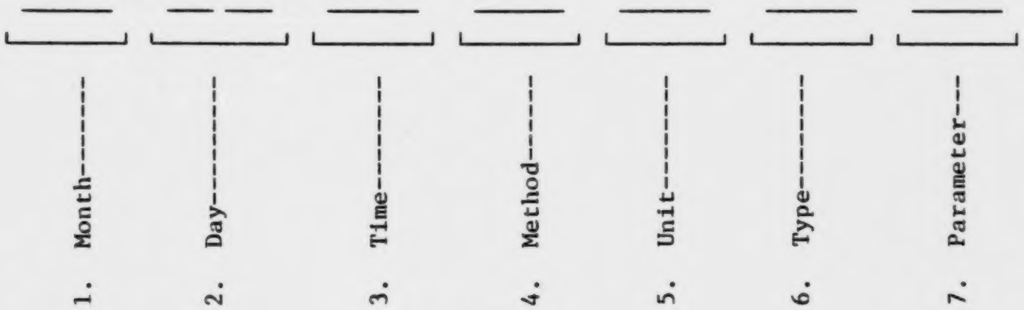
Coding System

In collaboration with Mr. Ken Randolph, VERSAR, it was established that the following information would suffice to uniquely identify all samples that were to be collected at Crown.

- Sampling date and time.
- Sampling method.
- Treatment unit.
- Water type.
- Parameter/instrument for analysis.

Accordingly, the following sample coding system was devised and agreed upon.

The sample code was designed to eight characters as shown below. The eight characters contained information about the seven components which were chosen to describe the sample.



The meaning of each of the seven components of the sample code is explained below.

Month--

The first character of the sample code was the month in which the sample was collected (1-9).

Day--

The second and third characters contained the day of the month in which the sample was collected. If the day was less than 10, it was entered as two digits (e.g., 01, 02, 03, etc.).

Time Code--

The fourth character contained the time code representing the time of day at which the sample was collected. Any character was acceptable for time code. However, the following codes had the designated meaning:

Sampling Method Code--

The following method codes were acceptable:

G - Grab
L - 16-hr composite
S - 6-hr composite

Unit Code--

The acceptable unit codes were:

N - Lime neutralization
C - Carbon adsorption
R - Reverse osmosis
O - Ozonation
B - Background
E - Aerator
S - Sand filtration

Type Code--

The sample codes used were:

1 - Raw water
2 - Spiked raw water
3 - Treated effluent
4 - Sludge
5 - Blank
6 - Field spike
7 - Surface water
8 - Special sample
A - Laboratory reagent
B - Field blank
C - Spiked blank
D - Spiked sample

Parameter/Instrument Code--

The acceptable codes were:

A - Volatiles by GC
B - Phthalates by GC
C - Selected volatiles by GC/MS
D - Phthalates by GC/MS
E - Volatile priority pollutants by GC/MS
F - Semivolatile extractables by GC/MS
G - Inorganics (included cyanide)

During the course of the program, however, changes were made in VERSAR's sampling plan that required additions or alteration in the normal code interpretation. The following sample and unit codes were added:

Sample	Unit
7 - Surface water	E - Aerator effluent
8 - Special sample	S - Sand filtration

A problem also existed with surface waters. There were three to four unique surface waters sampled, however the coding system was able to only indicate the type of water and not the source. It should be noted that the information is available in the daily sampling logs.

A third problem was solved by changing the interpretation of the code. Several carbon columns were being tested simultaneously and on one occasion sampled twice in 1 day. Since this situation wasn't expected, no provision was made in the code to provide unique identification. Rather than rewrite the computer program, it was decided to utilize the time component of the code to identify the carbon column. The following convention was used:

Time Code Entry	Actual Meaning
X	Control column
1(5)	Carbon column #1
2(6)	Carbon column #2
3(7)	Carbon column #3

The numbers given above in parentheses were used on the one occasion when two samples were collected from each column on the same day. The higher numbers (5, 6 and 7) represent the second set of samples collected that day.

Finally, it should be noted that the month code was only allowed one digit, since it was expected that sampling would be finished in August (month 8). Sampling in fact continued into October (month 10). These samples were coded as September (No. 9) but the day entry was made as the October date plus 30. In other words, an October 2 sample was coded 932xxxxx.

In actual operation, the sample codes were assigned at Kansas City as the sample information was transcribed from the sampling log to the sample notebook. Copies of the notebook showing the code assignment next to the bottle number were sent to the Minneapolis laboratory and to VERSAR. The codes were also added to the bottle labels shown in Figure 1.

Computer System

A program was specifically written for this project that allowed data to be entered and retrieved by MRI and to be retrieved only by VERSAR. The program and data files were entered into the Service Bureau Consultants (SBC) time-sharing system. With the correct password, data could be entered or retrieved at an ordinary teletype keyboard through conventional telephone lines. The data storage part of the program was structured around compound files listed in Table 7. A specific file was created for each compound that was found in the Crown samples. Each file contained the sample code and either the concentration or the QA data. The computer program originally consisted of two major input/output portions called Update and Status. An additional program called Inquire was added later.

The Update program was used exclusively by MRI to add or manipulate data. The user selected one of the four options described below when working within Update.

Create: This option allows the user to create new files. It was used principally for GC/MS results when new compounds were found for which no file existed. Several code-only files were also used to tabulate samples which were analyzed by GC/MS but for which no compounds were found.

Files: Use of the Files option would result in a printing of the names of all the existing files along with the file description and the file types.

Print: The Print option would print all or a selected portion of the contents of a specified file, e.g., Benzene file. The user specified the start date (month, day) and all sample codes and analytical data from that date on were printed. This part of the program was originally protected, i.e., not accessible to anyone but MRI. When during the course of the project, it became apparent that Status output option (vida infra) was not presenting the data in its most useful form, the decision was made to allow use of the Print option by VERSAR.

Edit: The Edit option was used to add, delete or change data. In the Add mode, the user entered sample codes and data or sample codes only into a selected file. The computer recognized whether the input was for a field sample or for a Quality Assurance sample. In the latter case, the program required that the appropriate QA data (spike level, recovery) be entered. The Delete option was used to change a sample code without effecting the data associated with the code. The Change options changed the data in a file without changing the sample code. The Save option was used to permanently save a modified (Add, Delete, Change) file.

The Status program created a summary status report for all sample codes and QA codes for the users specified time period. This program produced a complete and documented record for each sample but became unusuable because the large number (1,500) of unique samples resulted in an equal number of report pages. A modified program called Inquire was added which allowed the user to acquire the data for a single specified sample.

The computer program in Basic language is attached as Appendix B and is also on the magnetic tape which will accompany this report.

SECTION 4

ANALYTICAL RESULTS

During the course of the program, over 5,000 samples were collected and shipped resulting in ~ 1,900 unique samples. Analysis of these samples resulted in the generation of nearly 6,600 data points for 42 compounds or elements. Most of these data are associated with Crown samples; a small fraction resulted from MRI's Quality Assurance program. The sample results will be presented first in terms of parameters (i.e., volatile organics, semivolatile organics, metals and total organic carbon) and will be followed by the quality assurance results.

SAMPLES

Volatile Organics

The results for all volatile organic compounds determined in water and sludge samples by either GC/FID or GC/MS are given in Appendix C-1. The data are listed by compound (element) file and are ordered chronologically within each file. The results have not been separated by method, i.e., the GC/FID and GC/MS results are intermixed. Each sample is fully documented in the printout.

Two VOA samples were collected by EPA in May 1979 at either end of the drainage lagoon and sent to MRI for analysis. The results of those analyses are given in Table 8.

TABLE 8. ANALYSIS OF LAGOON SAMPLES FOR VOAS

Parameter	Concentration, μg/ℓ Influent end	Concentration, μg/ℓ Effluent end
Methylene chloride	3.3	3.3
trans-Dichloroethene	< 1	< 1
Chloroform	5.3	4.8
1,1,1-Trichloroethane	< 1	< 1
Benzene	< 0.1	< 0.1
Tetrachloroethene	1.2	< 1
Toluene	< 0.5	< 0.5

The results of the analysis of fish by GC/FID for volatiles were not entered into the computer since no provision was made for coding this type of sample. These results are listed in Table 9 and the raw data are given in Table 10.

The results of the analysis of lime samples by GC/FID are listed in Table 11 but are not included in the computerized file. These results are for a lime sample prepared at 1%. This level is considerably higher than the expected use level. From the observed levels, it is apparent that the lime does not contribute any volatile organics.

The results of the flocculant sample analysis are given in Table 12. The sample was analyzed by GC/FID as received. Low levels of methylene chloride and chloroform were observed, but these could have originated with the water at Crown that was used to prepare the sample.

Semivolatile Organics (SVO)

The results of SVO given in Appendix C-2 include the selected phthalates determined by GC/EC and the base/neutrals plus acids determined by GC/MS. As with the volatiles, the results are listed by compound with the determinative methods (GC/EC or GC/MS) intermixed. Each compound file is ordered chronologically.

The results of the analysis of the two May 1979 lagoon samples are listed in Table 13.

The results of the GC/MS analysis of fish for priority pollutant's are given in Table 14. These data were not entered into the computer since no coding provision had been made for fish samples.

The special flocculant sample was analyzed as received for selected phthalates only. The GC/EC based results are listed in Table 15.

Two special samples described as clarifier oil films were analyzed for phthalates only using GC/EC. The results in micrograms per liter are listed in Table 16.

At the request of the Effluent Guidelines Division, a series of sludge samples were separated into the solids and filtrate phases. The filtrate phase and the total sample (filtrate plus solids) were analyzed for phthalates by GC/EC. The results are listed in Table 17 along with the percent solids and TOC.

Metals

The results of the metal analyses conducted at MRI are listed in Appendix C-3. As before, the data are listed as the element file and are arranged chronologically.

The results of the two lagoon samples collected in May 1979 are given in Table 18.

TABLE 9. ANALYSIS OF FISH FOR VOLATILE PRIORITY POLLUTANTS

Compound	Fish Sample (μg/g)				
	1	2	3	4	5
Methylene chloride	0.5	0.6	37	1.5	0.6
trans-Dichloroethene	0.004	0.08	0.1	< 0.004a/	0.001
Chloroform	< 0.005a/	< 0.005a/	0.05	< 0.01a/	< 0.03a/
1,1,1-Trichloroethane	< 0.005a/	0.05	0.004	< 0.005a/	< 0.008a/
Benzene	0.01	0.002	0.003	0.003	0.002
Tetrachloroethene	0.17	0.12	0.22b/	0.09b/	0.12
Toluene	0.01	< 0.001a/	< 0.001a/	< 0.001a/	0.007

a/ None detected. Micrograms per gram value based on minimum integrator area, spike responses, and sample size.

b/ Unspiked sample response greater than spiked sample response. Micrograms per gram value based on average response of high level spike.

TABLE 10. DATA FOR THE ANALYSIS OF FISH FOR VOLATILE PRIORITY POLLUTANTS

		Fish									
		1		2		3		4		5	
Compound	Spike level	Wt (g)	Area[a/]	Wt (g)	Area	Wt (g)	Area	Wt (g)	Area	Wt (g)	Area
Methylene chloride	Unspiked	5.1	19.5	5.0	60	5.0	63	5.1	11	5.4	22
	0.5 µg	-	-	-	-	-	-	-	-	5.3	27
	2.5 µg	5.0	41	4.9	108	5.4	67	5.1	15	5.1	39
trans-Dichloroethene	Unspiked	5.1	0.2	5.0	2.5	5.0	1.3	5.1	0	5.4	0.1
	0.05 µg	-	-	-	-	-	-	-	-	5.3	0.5
	0.25 µg	5.0	3.0	4.9	4.1	5.4	2.0	5.1	1.4	5.1	2.4
Chloroform	Unspiked	5.1	0	5.0	0	5.0	0.5	5.1	0	5.4	0
	0.5 µg	-	-	-	-	-	-	-	-	5.3	0.9
	2.5 µg	5.0	9.6	4.9	9.6	5.4	6.0	5.1	4.7	5.1	8.8
1,1,1-Trichloroethane	Unspiked	5.1	0	5.0	1.7	5.0	0.1	5.1	0	5.4	0
	0.05 µg	-	-	-	-	-	-	-	-	5.3	0
	0.24 µg	5.0	1.0	4.9	3.4	5.4	1.2	5.1	1.0	5.1	1.1
Benzene	Unspiked	5.1	2.2	5.0	0.5	5.0	0.5	5.1	0.3	5.4	0.4
	0.1 µg	-	-	-	-	-	-	-	-	5.3	4.5
	0.5 µg	5.0	23	4.9	22	5.4	15	5.1	12	5.1	20
Tetrachloroethene	Unspiked	5.1	26	5.0	54	5.0	62	5.1	26	5.4	39
	0.1 µg	-	-	-	-	-	-	-	-	5.3	39
	0.5 µg	5.0	40	4.9	98	5.4	58	5.1	16	5.1	62

(continued)

TABLE 10 (continued)

		Fish									
		1		2		3		4		5	
Compound	Spike level	Wt (g)	Area[a]	Wt (g)	Area	Wt (g)	Area	Wt (g)	Area	Wt (g)	Area
Toluene	Unspiked	5.1	2.1	5.0	0	5.0	0	5.1	0	5.4	0.5
	0.1 µg	-	-	-	-	-	-	-	-	5.3	0
	0.5 µg	5.0	20	4.9	14	5.4	8.9	5.1	9.1	5.1	16

[a] Area = integrator area/1,000.

TABLE 11. ANALYSES OF 1% LIME SOLUTION FOR VOLATILE ORGANICS

Parameter	Concentration, µg/ℓ
Methylene chloride	3.1
trans-Dichloroethene	< 1
Chloroform	< 1
1,1,1-Trichloroethane	< 1
Benzene	< 0.1
Tetrachloroethene	< 1
Toluene	< 2

TABLE 12. ANALYSES OF FLOCCULANT SAMPLE FOR VOLATILE ORGANICS

Parameter	Concentration, µg/ℓ
Methylene chloride	12
trans-Dichloroethene	< 1
Chloroform	12
1,1,1-Trichloroethane	< 1
Benzene	0.1
Tetrachloroethene	< 1
Toluene	0.5

TABLE 13. ANALYSIS OF LAGOON SAMPLES FOR PHTHALATES

Parameter	Concentration, µg/ℓ Influent end	Concentration, µg/ℓ Effluent end
D-n-butylphthalate	< 10	< 10
bis-(2-Ethylhexyl)phthalate	< 10	< 10

TABLE 14. ANALYSIS OF FISH FOR SEMIVOLATILE PRIORITY POLLUTANTS

Compound found	Fish Sample (µg/ℓ)				
	1	2	3	4	5
1,4-Dichlorobenzene	0.013	-	-	-	-
Fluorene	0.002	-	-	-	-
Phenanthrene/Anthracene	0.016	0.026	-	0.008	0.008
Fluoranthrene	0.005		-	-	-
Pyrene	0.005	-	-	-	-
Di-n-butylphthalate	-	0.075	-	0.037	-
Bis-(2-ethylhexyl)phthalate	-	0.41	-	0.21	0.19
Pentachlorophenol	2.7	-	-	-	-

TABLE 15. ANALYSIS OF FLOCCULANT SAMPLE FOR SELECTED PHTHALATES BY GC/EC

Parameter	Concentration, µg/ℓ
Di-n-butylphthalate	< 1
Bis-(2-ethylhexyl)phthalate	9

TABLE 16. ANALYSIS OF OIL FILM SAMPLES FOR PHTHALATES

Sample	Di-n-Butylphthalate µg/ℓ	Bis-(2-ethylhexyl)phthalate µg/ℓ
6064GB8B	27,600	27,800
6074GB8B	5,200	6,600

TABLE 17. ANALYSIS OF SLUDGES AND FILTRATES FOR PHTHALATES AND TOC

Sample number	Percent solids	Total sample			Filtrate		
		Di-n-butyl-phthalate ppb	Bis(2-ethylhexyl)-phthalate ppb	TOC ppm	Di-n-butyl-phthalate ppb	Bis(2-ethylhexyl)-phthalate ppb	TOC ppm
8182LB4B	11	22	11,000	1,600	17	24	58
8228SB4B	37	< 10	1,400	8,800	34	24	27
8232LB4B	36	< 10	1,300	8,200	- Lost in analysis -		19
8237SB4B	37	< 60	12,000	8,700	19	190	28
8243LB4B	26	< 10	520	6,700	25	370	22
8247SB4B	25	< 10	540	5,900	9	100	40
8251LB4B	26	320	5,000	4,600	10	16	40
8292LB4B	26	33	10,000	5,100	11	18	57
8296SB4B	15	< 60	12,000	5,700	2	78	32
8302LB4B	15	< 60	13,000	4,700	2	18	24
8307SB4B	17	190	14,000	4,800	2	12	38
8317SB4B	6	11	16,000	6,200	10	38	31
9012LB4B	9	< 20	13,000	7,200	11	31	27
9017SB4B	13	43	7,200	11,000	11	87	33

TABLE 18. ANALYSIS OF LAGOON SAMPLES FOR METALS

Parameter	Concentration, μg/ℓ Influent end	Effluent end
Arsenic	< 10	< 10
Selenium	< 4	< 4
Antimony	< 8	< 8
Mercury	< 0.4	< 0.4
Chromium	< 10	< 10
Copper	< 10	< 10
Nickel	< 10	< 10
Lead	< 10	< 10
Zinc	29	10

The Crown fish were analyzed for seven metals only and those results, along with spike recovery data, are given in Table 19.

The lime sample was also analyzed for seven metals. The results were calculated, and are presented in Table 20, on a dry weight basis of micrograms per kilogram.

During the course of the project, a number of metal samples were given low priority and MRI was instructed not to analyze these samples. Ultimately, the decision was made by EPA to have these samples analyzed by the regional EPA Laboratories at Chicago and Denver. Also, a few samples were analyzed by VERSAR. A summary of the samples shipped as well as their destination, is given in Table 21.

Total Organic Carbon

Method Study--

As the data in Table 22 shows, little difference was found between the stirred and the blended samples when typical influents and effluents were analyzed. In the case of samples with a higher concentration of particulate matter (e.g., sludge samples), blending the sample produced higher results. This is as expected due to the breaking of larger particles to a size that will easily be drawn through the syringe needle.

The acidification method produced results consistently lower than the other two methods. There are several possible reasons for this difference. It has been our experience and the experience of other laboratories contacted, that inorganic carbon analyses using this analyzer are not very accurate and although it appears that the results are consistent, they may be low. Also, acidification drives off many volatile carbon-containing compounds. This will cause the results to be on the low side.

TABLE 19. ANALYSIS OF FISH FOR METAL PRIORITY POLLUTANTS

Metal	Fish sample (μg/g) No. 1	No. 2	No. 3	No. 4a/	No. 5	No. 5 Spiked
Arsenic	< 0.2	< 0.2	< 0.3	< 0.3, < 0.3	< 0.2	110% at 0.54 μg/g
Beryllium	< 0.08	< 0.12	< 0.10	< 0.15, < 0.16	< 0.13	62% at 5.0 μg/g
Cadmium	< 0.08	< 0.12	< 0.10	< 0.15, < 0.16	< 0.13	70% at 5.0 μg/g
Chromium	< 2.6	< 4.2	< 3.2	< 5.0, < 5.0	< 4.5	84% at 23.0 μg/g
Nickel	7.3	0.98	1.9	2.8, 5.0	1.2	100% at 18.0 μg/g
Lead	< 0.4	< 0.6	< 0.5	< 0.7, < 0.8	< 0.7	72% at 40.0 μg/g
Zinc	2.5	18.0	12.0	17.0, 17.0	15.0	-

a/ Duplicates.

TABLE 20. ANALYSIS OF LIME SAMPLE FOR METALS

Sample	Metal	Concentration, μg/kg
6069GB8G	Arsenic	1,200
	Beryllium	290
	Cadmium	30
	Chromium	3,200
	Lead	300,000
	Nickel	1,300
	Zinc	1,700

TABLE 21. METAL SAMPLES SENT OUT FOR ANALYSIS

EPA Region V, Chicago, Illinois

7256GB7G
7257GB7G
8095GB7G
8096GB7G
8097GB7G
8174GB7G
8176GB7G
8177GB7G
9017SB2G
9017SE3G
9016SB4G
8294SB5G
8294SS5G
9056SB4G
9056SB2G
9056SE3G

8085SB2G
8086SN3G
8086SB4G
8097SB2G
8097SN3G
8097SB4G
8106SB2G
8107SN3G
9066SB2G
9066SE3G
9066SB4G
9076SB2G
9076SE3G
9077SB4G
908SB2G
9082SECG

8107SB4G
8092SB5G
8092SN5G
8227SN3G
8228SB4G
8237SB2G
8237SS3G
8247SB2G
9086SB2G
9086SE3G
9086SB4G
9082SB5G
9072SE5G
9112SB2G
9112SB1G
9117SE3G

8247SE3G
8247SS3G
8247SB4G
8243SB5G
8244SE5G
8296SB2G
8926SE3G
8296SS3G
9117SB2G
9123SB5G
9123SEBG
9124SB2G
9124SE3G
9112SB5G
9112SE5G
9213GB7G

8296SB4G
8306SB2G
8307SS3G
8307SE3G
8307SB4G
8316SB2G
.8317SE3G
8317GO3G
9214GB7G
9215GB7G

EPA Region VIII, Denver Colorado and VERSAR

5302SB5G
5306SB1G
5307SN3G
5317SB1G
5317SN3G
6054SB5G
6057SB1G
6057SN3G
6058SB4G
6063SB5G
6063SN5G
6064SB5G
6067SB1G
6067SB4G
6072SB5G
6073SN5G
6073SB5G
6077SN3G

6077SB4G
6077SB1G
6082SB5G
6083SN5G
6083SB5G
6086SB1G
6087SN3G
6087SB4G
6092SB5G
6093SN5G
6093SB5G
6097SB1G
6097SN3G
6123SB6G
6123SN5G
6123SB5G
6126SB2G

6126SN3G
6127SB4G
6132SB6G
6133SB5G
6136SB2G
6136SN3G
6142SB6G
6142SN5G
6143SB5G
6147SB2G
6147SN3G
6153GB7G
6153GB7G
6154GB7G
6263SN5G
6263SB5G
6264SB5G
6264GB7G

6267SB2G
6267SN3G
6267SB4G
6268SB5G
6272GB7G
6292GB7G
6293GB7G
7202SN5G
7203SB5G
7206SB2G
7213SN5G
7213SB5G
7217SN3G
7217SB2G
7273SN5G
7274SB5G
7276SN3G
7276SB2G

(continued)

TABLE 21 (continued)

VERSAR

5312SG5G
5312SN5G
6054SN5G
6056GB7G
6050GB7G
6057GB7G
6132SN5G
6137SB4G
6147SB4G
6261GB7G
7206SN3G
7256GB7G
7257GB7G
7273SB5G

TABLE 22. COMPARISON OF METHODS FROM PHASE ONE OF THE TOC ANALYSES OF CROWN MINE DRAINAGE (ppm)

Sample Type	MRI Number		Blended Only			Stirred Only			Stirred and Acidified (HCl)		
			TC	IC	TOC	TC	IC	TOC	TC	IC	TOC
Influent	3063	Inj. 1	25	15		26	13		4.8	0	
		Inj. 2	27	14		26	16		5.0	0	
		Inj. 3	26	16		25	14		4.1	0	
		Avg.	26	15	11	26	14	12	4.6	0	4.6
Influent	3112	Inj. 1	22	12		23	13		10	0	
		Inj. 2	23	9.0		21	9.0		8.0	0	
		Inj. 3	21	9.0		24	11		8.0	0	
		Avg.	22	10	12	23	11	12	9.0	0	9.0
Influent	3143	Inj. 1	30	17		30	15		1.7	0	
		Inj. 2	26	16		27	16		6.5	0	
		Inj. 3	26	19		25	19		6.9	0	
		Avg.	27	17	10	27	17	10	5.0	0	5.0
Influent	3189	Inj. 1	23	9.0		23	9.0		0	0	
		Inj. 2	21	9.8		23	9.2		0	0	
		Inj. 3	23	11		24	10		0.9	0	
		Avg.	22	9.9	12	23	9.4	14	0.3	0	0.3
Influent	3223	Inj. 1	34	18		33	19		4.5	0	
		Inj. 2	32	20		29	17		5.5	0	
		Inj. 3	40	18		31	20		5.5	0	
		Avg.	35	19	16	29	19	10	5.2	0	5.2
Influent	3301	Inj. 1	33	17		32	23		4.5	0	
		Inj. 2	29	17		30	19		9.1	0	
		Inj. 3	29	17		29	17		5.7	0	
		Avg.	30	17	13	30	19	11	6.4	0	6.4
Effluent	3089	Inj. 1	28	16		27	13		4.8	0	
		Inj. 2	27	14		27	12		4.6	0	
		Inj. 3	25	13		27	13		4.6	0	
		Avg.	27	14	13	27	13	14	4.7	0	4.7
Effluent	3122	Inj. 1	22	13		23	9.0		0	0	
		Inj. 2	20	13		20	9.0		2.0	0	
		Inj. 3	23	12		25	13		2.3	0	
		Avg.	22	13	9.0	23	10	13	2.1	0	2.1
Effluent	3153	Inj. 1	25	14		25	13		6.3	0	
		Inj. 2	24	14		25	13		3.3	0	
		Inj. 3	25	16		28	12		3.3	0	
		Avg.	25	15	10	26	13	13	4.3	0	4.3
Effluent	3174	Inj. 1	22	10		27	13		0	0	
		Inj. 2	23	12		22	13		0.4	0	
		Inj. 3	24	14		27	15		1.5	0	
		Avg.	23	12	11	25	14	11	0.6	0	0.6
Effluent	3233	Inj. 1	38	16		31	13		3.6	0	
		Inj. 2	33	14		32	19		4.0	0	
		Inj. 3	36	13		31	16		7.4	0	
		Avg.	36	16	20	31	16	15	5.0	0	5.0

(continued)

TABLE 22 (continued)

Sample Type	MRI Number		Blended Only			Stirred Only			Stirred and Acidified (HCl)		
			TC	IC	TOC	TC	IC	TOC	TC	IC	TOC
Effluent	3296	Inj. 1	33	18		29	18		5.0	0	
		Inj. 2	34	17		30	22		2.0	0	
		Inj. 3	35	22		33	25		3.6	0	
		Avg.	34	19	15	31	22	9.0	3.5	0	3.5
Sludge	3100	Inj. 1	5,300	2,600		3,800	3,400		550	0	
		Inj. 2	4,200	3,700		4,000	3,600		390	0	
		Inj. 3	5,200	3,000		3,600	3,400		450	0	
		Avg.	4,900	2,800	2,100	3,300	3,500	300	460	0	460
Sludge	3360	Inj. 1	1,400	650		1,600	780		500	0	
		Inj. 2	1,600	860		1,500	850		520	0	
		Inj. 3	1,700	640		1,300	730		400	0	
		Avg.	1,600	720	880	1,500	800	700	470	0	470
Sludge	3452	Inj. 1	1,900	730		1,700	1,000		390	0	
		Inj. 2	1,800	690		1,700	830		360	0	
		Inj. 3	1,900	850		1,800	760		410	0	
		Avg.	1,900	760	1,100	1,700	860	840	390	0	390
Sludge	3478	Inj. 1	1,800	740		1,700	780		360	0	
		Inj. 2	1,900	660		1,700	1,000		350	0	
		Inj. 3	1,900	770		1,800	850		370	0	
		Avg.	1,900	720	1,200	1,700	880	820	360	0	360
Raw Water	3244	Inj. 1	190	47		200	45		110	0	
		Inj. 2	210	40		220	50		120	0	
		Inj. 3	250	47		220	55		110	0	
		Avg.	220	45	180	210	50	160	110	0	110
Raw Water	3264	Inj. 1	49	30		42	34		0	0	
		Inj. 2	43	24		42	31		0	0	
		Inj. 3	46	33		42	29		0	0	
		Avg.	46	29	17	42	31	11	0	0	0

When comparing influent and effluent data for TOC reduction, the acidification method gives the most consistent results. When using this method, the loss of volatiles must be taken into account.

Sample Results--

A method was chosen from this study that produced consistent results on all types of mine drainage samples. It combined two of the experimental designs. Samples were blended and acidified to a pH less than 2. The blending breaks all particulate matter to an injectionable size and drives off the CO_2 faster. The acidification, although causing the loss of some volatiles, provided consistent results and avoids the need for inorganic carbon analyses.

The TOC results are summarized in Table 23 but are not in the computerized data base. TOC results from the selected sludges and filtrates were included in Table 17 with the phthalate results.

QUALITY ASSURANCE

The quality assurance measures that were employed depended upon the spefic parameter/instrument combination. This QA discussion will include some initial method validation work as well as the QA data accumulated throughout the program.

The five parameter/instrument combinations having unique development or QA programs were: (a) volatiles by GC (Code A); (b) phthalates by GC (Code B); (c) selected volatiles by GC/MS (Code C) and volatile priority pollutants by GC/MS (Code E); (d) phthalates by GC/MS (Code D) and semivolatile extractables by GC/MS (Code F); and (e) metals (Code G). Each program is discussed below and includes all relevant data collected throughout the program.

Volatiles by GC

Both water and sludge samples were analyzed for volatiles by GC/FID using the same techniques. The program described below applies equally to both sample types. The following summarizes the steps that constituted the method validation and data validation QA programs.

* Establish recovery of purged volatiles from water and sludge.

* Analysis of a system blank at the beginning of each day.

* Analysis of three to four standards at different levels each day.

* Analysis of field blanks on a periodic basis.

* Analysis of standards sent to Crown and returned to Kansas City - re covery determined at various levels.

* Analysis of standards sent to Crown and returned to Kansas City - recovery determined versus time at Crown.

TABLE 23. SUMMARY OF TOC RESULTS

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Spiked Influent	8/8	6	6 hr. Comp.	Background	3338	14
Effluent	8/8	6	6 hr. Comp.	Neutralization	3347	5.4
Sludge	8/8	6	6 hr. Comp.	Background	3355	240
Spiked Influent	8/9	1	16 hr. Comp.	Background	3374	13
Effluent	8/9	1	16 hr. Comp.	Neutralization	3381	8.1
Sludge	8/9	2	16 hr. Comp.	Background	3388	20
Surface Water	8/9	6	Grab	Background	3418	6.4
Surface Water	8/9	6	Grab	Background	3426	5.0
Surface Water	8/9	7	Grab	Background	3435	5.0
Spiked Influent	8/9	7	6 hr. Comp.	Background	3443	5.2
Effluent	8/9	7	6 hr. Comp.	Background	3452	3.7
Sludge	8/9	7	6 hr. Comp.	Background	3461	5.8
Spiked Influent	8/10	2	16 hr. Comp.	Background	3478	15
Effluent	8/10	2	16 hr. Comp.	Neutralization	3485	4.6
Sludge	8/10	2	16 hr. Comp.	Background	3496	7.6
Spiked Influent	8/10	6	6 hr. Comp.	Background	3523	9.9
Effluent	8/10	7	Grab	Neutralization	3532	5.5
Sludge	8/10	7	6 hr. Comp.	Background	3541	5.2
Spiked Influent	8/11	2	16 hr. Comp.	Background	3562	16
Effluent	8/11	2	16 hr. Comp.	Neutralization	3569	9.4
Sludge	8/11	2	16 hr. Comp.	Background	3576	3.9
[illegible]d Influent	8/15	2	16 hr. Comp.	Background	3593	13
Effluent	8/15	2	16 hr. Comp.	Neutralization	3596	8.6
Sludge	8/15	2	16 hr. Comp.	Background	3599	15
Sludge	8/15	6	6 hr. Comp.	Background	3638	260
Spiked Influent	8/15	6	6 hr. Comp.	Background	3647	16
Effluent	8/15	7	6 hr. Comp.	Neutralization	3656	55
Spiked Influent	8/16	1	16 hr. Comp.	Background	3673	15
Effluent	8/16	2	16 hr. Comp.	Neutralization	3684	8.1
Sludge	8/16	2	16 hr. Comp.	Background	3691	26
Spiked Influent	8/16	8	6 hr. Comp.	Background	3718	21
Effluent	8/16	8	6 hr. Comp.	Neutralization	3727	6.8

(continued)

TABLE 23 (continued)

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Sludge	8/16	8	6 hr. Comp.	Background	3736	200
Spiked Influent	8/17	1	16 hr. Comp.	Background	3754	21
Effluent	8/17	1	16 hr. Comp.	Neutralization	3761	3.2
Sludge	8/17	2	16 hr. Comp.	Background	3768	1700
Raw Influent	8/17	4	Grab	Background	3803	3.0
Raw Influent	8/17	6	Grab	Background	3816	5.0
Raw Influent	8/17	6	Grab	Background	3825	6.2
Spiked Influent	8/17	7	6 hr. Comp.	Background	3830	8.3
Effluent	8/17	7	6 hr. Comp.	Neutralization	3839	5.8
Sludge	8/17	7	6 hr. Comp.	Background	3848	400
Spiked Influent	8/18	2	16 hr. Comp.	Background	3868	6.3
Effluent	8/18	2	16 hr. Comp.	Neutralization	3875	6.3
Sludge	8/18	2	16 hr. Comp.	Background	3882	1600
Effluent	8/22	7	6 hr. Comp.	Neutralization	3928	6.5
Sludge	8/22	8	6 hr. Comp.	Background	3937	8800
Spiked Influent	8/23	3	16 hr. Comp.	Background	3957	20
Effluent	8/23	3	16 hr. Comp.	Neutralization	3960	7.9
Effluent	8/23	3	16 hr. Comp.	Sand Filter	3967	11
Sludge	8/23	3	16 hr. Comp.	Background	3974	3200
Spiked Influent	8/23	7	6 hr. Comp.	Background	4003	20
Effluent	8/23	8	6 hr. Comp.	Clarifier	4020	7.9
Sludge	8/23	7	6 hr. Comp.	Background	4029	8700
Spiked Influent	8/23	8	16 hr. Comp.	Background	4044	5.2
Effluent	8/23	9	16 hr. Comp.	Sand Filter	4048	5.0
Effluent	8/23	9	16 hr. Comp.	Neutralization	4052	6.8
Sludge	8/23	9	16 hr. Comp.	Background	4056	4.6
Effluent	8/24	3	16 hr. Comp.	Clarifier	4061	12
Spiked Influent	8/24	3	16 hr. Comp.	Background	4078	8.1
Sludge	8/24	3	16 hr. Comp.	Background	4083	6700
Spiked Influent	8/24	7	6 hr. Comp.	Background	4118	21
Effluent	8/24	7	6 hr. Comp.	Clarifier	4123	9.2
Effluent	8/24	7	6 hr. Comp.	Sand Filter	4132	7.6

(continued)

TABLE 23 (continued)

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Sludge	8/24	7	6 hr. Comp.	Background	4141	5900
Spiked Influent	8/24	7	16 hr. Comp.	Background	4153	4.3
Effluent	8/24	7	16 hr. Comp.	Neutralization	4157	5.7
Effluent	8/24	7	16 hr. Comp.	Neutralization	4161	3.8
Spiked Influent	8/25	1	16 hr. Comp.	Background	4170	11
Effluent	8/25	1	16 hr. Comp.	Clarifier	4175	10
Effluent	8/25	1	16 hr. Comp.	Sand Filter	4184	8.2
Sludge	8/25	1	16 hr. Comp.	Background	4193	4600.
Spiked Influent	8/28	9	16 hr. Comp.	Background	4220	3.9
Effluent	8/29	2	Grab	Sand Filter	4225	9.4
Spiked Influent	8/29	2	16 hr. Comp.	Background	4234	17
Effluent	8/29	4	16 hr. Comp.	Neutralization	4238	10
Sludge	8/29	2	16 hr. Comp.	Background	4248	5100
Spiked Influent	8/29	6	6 hr. Comp.	Background	4277	14
Effluent	8/29	6	6 hr. Comp.	Clarifier	4286	9.3
Effluent	8/29	6	6 hr. Comp.	Sand Filter	4287	12
Sludge	8/29	6	6 hr. Comp.	Background	4300	5700
Spiked Influent	8/30	2	16 hr. Comp.	Background	4329	16
Effluent	8/30	2	16 hr. Comp.	Clarifier	4334	20
Effluent	8/30	2	16 hr. Comp.	Sand Filter	4351	15
Sludge	8/30	2	16 hr. Comp.	Background	4356	4700
Borehole	8/30	4	Grab	Background	4378	15
Spiked Influent	8/30	6	6 hr. Comp.	Background	4389	8.6
Effluent	8/30	7	6 hr. Comp.	Sand Filter	4394	17
Effluent	8/30	7	6 hr. Comp.	Clarifier	4403	14
Sludge	8/30	7	6 hr. Comp.	Background	4412	4800
Spiked Influent	8/31	2	16 hr. Comp.	Background	4449	13
Effluent	8/31	2	16 hr. Comp.	Clarifier	4458	15
Effluent	8/31	2	16 hr. Comp.	Ozonation	4470	16
Sludge	8/31	2	16 hr. Comp.	Background	4472	5500
Borehole	8/31	4	Grab	Background	4505	9.4
Spiked Influent	8/31	6	6 hr. Comp.	Background	4510	13

(continued)

TABLE 23 (continued)

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Effluent	8/31	7	6 hr. Comp.	Clarifier	4515	15
Effluent	8/31	7	Grab	Ozonation	4524	17
Sludge	8/31	7	6 hr. Comp.	Background	4533	6200
Spiked Influent	9/1	2	16 hr. Comp.	Background	4554	27
Effluent	9/1	2	16 hr. Comp.	Clarifier	4559	15
Sludge	9/1	2	16 hr. Comp.	Background	4580	7200
Effluent	9/1	2	16 hr. Comp.	Ozonation	4585	9.2
Borehole	9/1	3	Grab	Background	4608	5.6
Effluent	9/1	7	Grab	Ozonation	4618	8.8
Spiked Influent	9/1	7	6 hr. Comp.	Background	4629	15
Effluent	9/1	7	6 hr. Comp.	Clarifier	4630	18
Sludge	9/1	7	6 hr. Comp.	Background	4631	11,000
Sludge	9/5	6	6 hr. Comp.	Background	4658	12,000
Effluent	9/5	6	Grab	Ozonation	4671	18
Spiked Influent	9/5	6	6 hr. Comp.	Background	4676	17
Effluent	9/5	6	6 hr. Comp.	Clarifier	4681	16
Spiked Influent	9/6	2	16 hr. Comp.	Background	4706	9.4
Effluent	9/6	2	16 hr. Comp.	Clarifier	4711	16
Sludge	9/6	2	16 hr. Comp.	Background	4716	9700
Effluent	9/6	2	Grab	Ozonation	4740	8.9
Spiked Influent	9/6	6	6 hr. Comp.	Background	4747	35
Effluent	9/6	6	6 hr. Comp.	Clarifier	4752	12
Sludge	9/6	6	6 hr. Comp.	Background	4761	12,000
Effluent	9/6	7	Grab	Ozonation	4774	8.8
Borehole	9/6	8	Grab	Background	4790	31
Effluent	9/6	1	Grab	Ozonation	4807	15
Effluent	9/7	2	16 hr. Comp.	Clarifier	4820	11
Spiked Influent	9/7	2	16 hr. Comp.	Background	4823	21
Sludge	9/7	2	16 hr. Comp.	Background	4828	10,000
Borehole	9/7	3	Grab	Background	4854	6.5
Spiked Influent	9/7	6	6 hr. Comp.	Background	4857	—*
Effluent	9/7	6	6 hr. Comp.	Clarifier	4862	9.3

*No Sample Available.

(continued)

TABLE 23 (continued)

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Effluent	9/7	6	Grab	Ozonation	4875	8.4
Sludge	9/7	7	6 hr. Comp.	Background	4880	290
Spiked Influent	9/8	2	16 hr. Comp.	Background	4898	17
Effluent	9/8	2	16 hr. Comp.	Clarifier	4903	8.8
Effluent	9/8	2	Grab	Ozonation	4920	13
Sludge	9/8	2	16 hr. Comp.	Background	4929	270
Borehole	9/8	3	Grab	Background	4951	14
Spiked Influent	9/8	6	6 hr. Comp.	Background	4956	13
Effluent	9/8	6	6 hr. Comp.	Clarifier	4961	11
Sludge	9/8	6	6 hr. Comp.	Background	4969	200
Effluent	9/8	7	Grab	Ozonation	4978	12
Borehole	9/11	2	Grab	Background	5012	6.2
Effluent	9/11	7	6 hr. Comp.	Clarifier	5017	11
Effluent	9/11	7	Grab	Ozonation	5030	7.6
Sludge	9/11	7	6 hr. Comp.	Background	5040	950
Spiked Influent	9/11	7	6 hr. Comp.	Background	5043	19
Effluent	9/12	2	16 hr. Comp.	Clarifier	5068	9.9
Spiked Influent	9/12	2	16 hr. Comp.	Background	5071	11
Effluent	9/12	3	Grab	Ozonation	5076	7.3
Borehole	9/12	4	Grab	Background	5110	5.9
Spiked Influent	9/12	7	6 hr. Comp.	Background	5119	9.6
Effluent	9/12	7	6 hr. Comp.	Clarifier	5124	31
Effluent	9/12	7	Grab	Ozonation	5133	7.3
Spiked Influent	9/20	2	16 hr. Comp.	Background	5168	14
Effluent	9/20	2	16 hr. Comp.	Clarifier	5171	9.5
Sludge	9/20	2	16 hr. Comp.	Background	5174	230
Spiked Influent	9/20	7	6 hr. Comp.	Background	5203	13
Effluent	9/20	7	6 hr. Comp.	Clarifier	5210	10
Sludge	9/20	7	6 hr. Comp.	Background	5217	93
Spiked Influent	9/21	2	16 hr. Comp.	Background	5238	14
Effluent	9/21	2	16 hr. Comp.	Ozonation	5241	14
Effluent	9/21	2	Grab	Ozonation	5256	6.9

(continued)

TABLE 23 (continued)

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Sludge	9/21	2	16 hr. Comp.	Background	5259	69
Surface Water	9/21	3	Grab	Background	5282	12
Surface Water	9/21	4	Grab	Background	5293	10
Surface Water	9/21	4	Grab	Background	5303	7.9
Spiked Influent	9/21	6	6 hr. Comp.	Background	5310	9.8
Effluent	9/21	6	6 hr. Comp.	Ozon. Feed	5317	8.8
Sludge	9/21	7	6 hr. Comp.	Background	5324	48.0
Effluent	9/21	7	Grab	Ozon. Feed	5331	6.2
Spiked Influent	9/27	2	16 hr. Comp.	Background	5346	16
Effluent	9/27	2	16 hr. Comp.	Ozon. Feed	5353	12
Sludge	9/27	2	16 hr. Comp.	Background	5360	370
Effluent	9/27	2	Grab	Ozonation	5371	6.8
Effluent	9/27	1	Grab	Carb. Adsorp. #1	5382	7.1
Raw Influent	9/27	4	Grab	Bkgd.-Stew. Run	5406	9.1
Raw Influent	9/27	4	Grab	Bkgd.-Ind.C. Below	5413	9.3
Raw Influent	9/27	4	Grab	Bkgd.-I.C. Above	5425	—*
Spiked Influent	9/27	7	6 hr. Comp.	Background	5431	10
Effluent	9/27	7	6 hr. Comp.	Neutralization	5438	9.4
Effluent	9/27	7	Grab	Ozonation	5443	7.5
Sludge	9/27	7	6 hr. Comp.	Background	5452	78
Spiked Influent	9/28	2	16 hr. Comp.	Background	5471	—*
Sludge	9/28	2	16 hr. Comp.	Background	5478	99
Effluent	9/28	2	16 hr. Comp.	Neutralization	5485	14
Effluent	9/28	2	Grab	Ozonation	5496	9.6
Effluent	9/28	3	Grab	Carb. Adsorp. #2	5502	8.3
Spiked Influent	9/28	6	6 hr. Comp.	Background	5521	15
Sludge	9/28	6	6 hr. Comp.	Background	5535	300
Effluent	9/28	6	Grab	Ozonation	5543	7.8
Spiked Influent	10/3	7	6 hr. Comp.	Background	5563	35
Sludge	10/3	7	6 hr. Comp.	Background	5570	270
Effluent	10/3	7	6 hr. Comp.	Neutralization	5577	22

*Lost in transit.

(continued)

TABLE 23 (continued)

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Effluent	10/3	7	Grab	Ozonation	5589	9.9
Spiked Influent	10/4	2	16 hr. Comp.	Background	5602	16
Sludge	10/4	2	16 hr. Comp.	Background	5609	320
Effluent	10/4	2	16 hr. Comp.	Neutralization	5616	15
Effluent	10/4	2	Grab	Ozonation	5623	18
Surface Water	10/4	2	Grab	Bkgd.-Stev. Run	5642	12
Surface Water	10/4	3	Grab	Bkgd.-I.C. Above	5652	15
Surface Water	10/4	3	Grab	Bkgd.-I.C. Below	5663	23
Spiked Influent	10/4	6	6 hr. Comp.	Background	5667	150
Sludge	10/4	6	6 hr. Comp.	Background	5674	220
Effluent	10/4	6	6 hr. Comp.	Neutralization	5681	25
Effluent	10/4	6	Grab	Ozonation	5688	9.7
Effluent	10/4	7	Grab	Carb. Adsorp. #1	5704	15
Effluent	10/4	7	Grab	Carb. Adsorp. #2	5710	11
Spiked Influent	10/5	2	16 hr. Comp.	Background	5723	31
Effluent	10/5	2	16 hr. Comp.	Neutralization	5730	13
Sludge	10/5	2	16 hr. Comp.	Background	5737	240
Effluent	10/5	2	Grab	Ozonation	5744	9.7
Spiked Influent	10/5	7	6 hr. Comp.	Background	5763	24
Sludge	10/5	7	6 hr. Comp.	Background	5770	210
Effluent	10/5	7	6 hr. Comp.	Neutralization	5777	25
Effluent	10/5	7	Grab	Ozonation	5784	8.8
Effluent	10/5	7	Grab	Carb. Adsorp. #1	5794	9.8
Effluent	10/5	7	Grab	Carb. Adsorp. #2	5800	8.4
Spiked Influent	10/6	2	16 hr. Comp.	Background	5823	19
Effluent	10/6	2	16 hr. Comp.	Neutralization	5826	40
Effluent	10/6	2	Grab	Ozonation	5833	16
Sludge	10/6	2	16 hr. Comp.	Background	5844	230
Effluent	10/6	2	Grab	Carb. Adsorp. #1	5858	8.8
Effluent	10/6	2	Grab	Carb. Adsorp. #2	5864	15
Effluent	10/6	2	Grab	Carb. Adsorp. #3	5870	27
Spiked Influent	10/6	7	6 hr. Comp	Background	5883	21

(continued)

TABLE 23 (continued)

Sample Type	Date	Time	Mode of Collection	Treatment System	MRI Number	ppm TOC
Sludge	10/6	7	6 hr. Comp.	Background	5890	350
Effluent	10/6	7	6 hr. Comp	Neutralization	5897	44
Effluent	10/6	8	Grab	Carb. Adsorp. #1	5907	8.9
Effluent	10/6	8	Grab	Carb. Adsorp. #2	5913	8.7
Effluent	10/6	8	Grab	Carb. Adsorp. #3	5919	9.5
Effluent	10/6	7	Grab	Ozonation	5926	9.1
Blk. (Eff.)	7/27	3	6 hr. Comp.	Neutralization	3275	40
Blk. (Eff.)	8/10	2	6 hr. Comp.	Neutralization	3508	130
Blk. (Spk. Inf.)	8/10	7	16 hr. Comp.	Background	3555	340
Blk. (Slg.)	8/10	7	16 hr. Comp.	Background	3559	990
Blk. (Slg.)	8/22	8	16 hr. Comp.	Background	3952	250
Blk. (Spk. Inf.)	8/24	4	6 hr. Comp.	Background	4101	8.0
Blk. (Eff.)	8/24	4	6 hr. Comp.	Clarifier	4105	10
Blk. (Eff.)	8/29	7	16 hr. Comp.	Clarifier	4324	10
Blk. (Eff.)	8/30	7	Grab	Ozonation	4425	11
Blk.	10/4	7	Grab	Carb. Adsorp./ Control Col.	5716	46
Blk.	10/5	7	Grab	Carb. Adsorp./ Control Col.	5806	18

- * Analysis of duplicate samples.
- * Use of two internal standards for quantitation.
- * Use of two internal standards as a test of system reproducibility.

Recovery of Purged Volatiles--

Prior to the analysis of samples, the purging efficiency of the selected volatiles and internal standards was optimized. Two different traps were tested with, in one case, a variation in purge volume. The results shown in Table 24 led to the selection of the Tenax®/Chromosorb 101 trap with the 8 min purge.

TABLE 24. RECOVERY STUDIES OF PURGED VOLATILES

Compound	% Recovery at 50 ppb Tenax® 8-min Purge (40 ml/min)	 Tenax® 12-min Purge (40 ml/min)	 Tenax® + Chromosorb 101 8-min purge (40 ml/min)
Methylene chloride	85	27	97
Bromochloromethane (IS)	75	83	97
trans-Dichloroethene	95	81	96
Chloroform	90	88	109
1,1,1-Trichloroethane	90	78	92
Benzene	94	91	92
2-Bromo-1-chloropropane	83	91	87
Tetrachloroethene	90	85	88
Toluene	90	91	90

At the time of the initiation of the program, no guidelines existed for the analysis of volatiles in sludges and so a preliminary study was conducted to establish the liquid-solid distribution of volatiles in the Crown sludges.

Sludge samples were analyzed in two manners. First, the sample was shaken to produce a homogeneous sample; 10 ml of this was taken, spiked with two internal standards and run as a normal sample. The rest of the sample was centrifuged and 10 ml of the supernatant liquid taken, spiked with internal standards and run as a normal sample.

The results of analysis of five sludge samples are given below in Table 25. (All samples analyzed were less than 5% solids.) The small but consistently lower values for the supernatant samples could be attributed to either the fact that volatiles are associated with sludge or to the fact that the headspace in the sample vial prior to taking the supernatant sample caused a partial loss of some of the volatile organics. An approximation of this effect was quantitated by spiking an entire sample in the vial before any homogeneous or supernatant sample was taken. Each sample was run and the area of the internal standard peaks showed a loss of ~ 9% from the homogeneous to the supernatant sample. The presence of a headspace above each supernatant sample was part of the cause of the lower values for the supernatant versus homogeneous sample. The average loss for all compounds from the homogeneous to the supernatant sample was 18%. The remaining 9% might then be attributed to volatiles on the surface of the sludge particulates. It was concluded that analysis of the sludge as a homogenate would provide results representative of the sludge stream.

Analysis of System Blank--

The daily work routine started with the analysis of a "VOA water" blank that had been spiked with the internal standards (see below). This step gave assurance that (a) the analytical system was functioning; (b) the system was free of contamination; and (c) the "VOA water" was free of contamination. No samples or standards were analyzed until the above three criteria were met.

Analysis of Standards--

Throughout each day at least three standards (including all seven volatile organics) were analyzed. The levels were selected to be appropriate for the known spiking levels. Early in the program, extensive calibration curves were prepared for each compound. Figure 5 shows a typical multipoint curve generated from absolute peak areas over a 15-day period and indicates system reproducibility. This aspect will be discussed later.

Analysis of Field Blanks--

Organic free water (VOA water) was in constant preparation at MRI. This water was in fact used for the system blank. When a batch of water had been shown to be organic-free, a number of VOA vials were filled with this water and shipped to the Crown site. Periodically, one or two vials were returned to MRI along with a group of samples. These were coded at MRI using the day they were shipped from Crown. At MRI, they were analyzed in a normal fashion along with the regular samples. Nineteen field blanks were analyzed between May 31 (1978) and September 30 (1978). These results are given in Table 26 and show that contamination was virtually a nonexistent problem. Only three compounds, methylene chloride, chloroform, and benzene were even occasionally detected. The average of the levels found above the detection limit were 2.6 ppb for methylene chloride, 2.2 ppb for chloroform, and 0.4 ppb for benzene.

TABLE 25. ANALYSIS OF SLUDGE HOMOGENATES AND SUPERNATES

	ppb Volatile organics						
	Methylene chloride	*trans*-Dichloroethene	Chloroform	1,1,1-Trichloroethane	Benzene	Tetrachloroethene	Toluene
60636B4A							
Homogeneous	108	2.1	87	2.2	9.7	7.1	6.4
Supernatant	101	1.9	78	1.8	8.3	5.4	5.6
6066GB4A							
Homogeneous	105	1.8	92	1.9	13.3	6.3	8.8
Supernatant	93	1.2	83	1.4	10.8	4.6	7.4
6072GB4A							
Homogeneous	150	2.6	129	2.8	4.3	10.7	2.9
Supernatant	135	1.8	106	1.7	3.0	5.8	1.9
6077GB4A							
Homogeneous	138	2.5	114	2.7	3.7	10.6	2.4
Supernatant	145	2.1	114	2.1	3.6	7.9	2.1

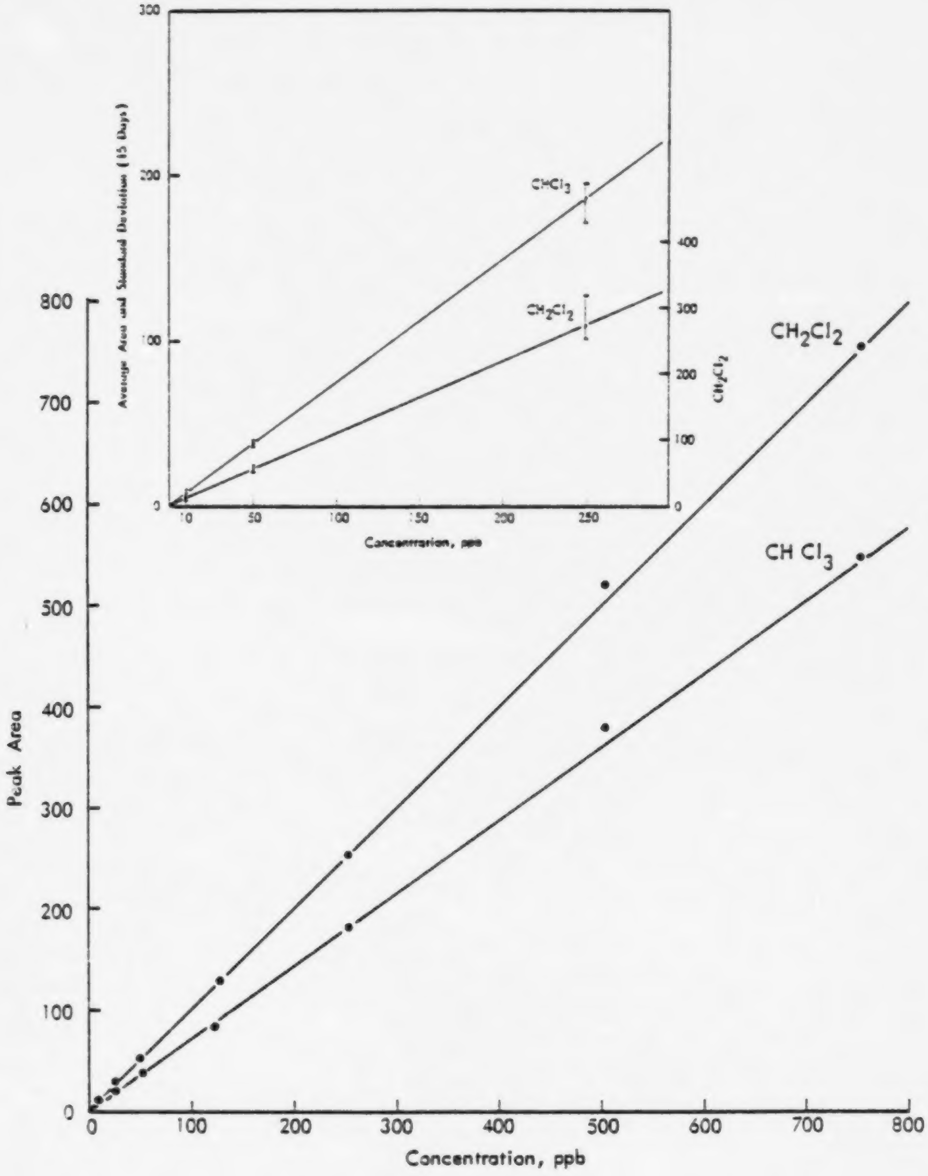


Figure 5. Composite calibration curves for methylene chloride and chloroform

TABLE 26. ANALYSIS OF VOA FIELD BLANKS

Sample	Methylene chloride (ppb)	t-Dichloroethene (ppb)	Chloroform (ppb)	1,1,1-Trichloroethane (ppb)	Benzene (ppb)	1,1,2,2-Tetrachloroethene (ppb)	Toluene (ppb)
5258GBBA	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
5306GBBA	1.6	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
5317GBBA	< 1.0, < 1.0	< 1.0, < 1.0	< 1.0, < 1.0	< 1.0, < 1.0	< 0.1, < 0.1	< 1.0, < 1.0	< 0.5, < 0.5
6291GBBA	< 1.0	< 1.0	2.5	< 1.0	< 0.1	< 1.0	0.5
7217GBBA	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
7277GBBA	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
8080GBBA	< 1.0	< 1.0	1.8	< 1.0	0.5	< 1.0	< 0.5
8103GBBA	4.5	< 1.0	3.0	< 1.0	0.2	< 1.0	< 0.5
8169GBBA	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
8178GBBA	2.0	< 1.0	1.6	< 1.0	0.6	< 1.0	< 0.5
8182GBBA	2.8	< 1.0	< 1.0	< 1.0	0.1	< 1.0	< 0.5
8227GBBA	< 1.0	< 1.0	2.0	< 1.0	< 0.1	< 1.0	< 0.5
8237GBBA	2.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
8248GBBA	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
8321GBBA	2.9	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
9337GBBA	< 1.0	< 1.0	1.7	< 1.0	0.5	< 1.0	< 0.5
9342GBBA	< 1.0	< 1.0	2.5	< 1.0	0.7	< 1.0	< 0.5
9352GBBA	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5
9363GBBA	< 1.0	< 1.0	< 1.0	< 1.0	< 0.1	< 1.0	< 0.5

Analysis of Field Spikes--

The intention of this segment of the program was to demonstrate that no change occurred in Crown samples between when they were collected and when they were analyzed. The ideal approach would be to prepare known spikes at Crown and periodically include them with the normal samples. Then the effect of transportation and storage on stability would be established. However, MRI did not have adequate staff or facilities at Crown to prepare spikes and so they were prepared at Kansas City and then shipped to Crown. They are, of course, not actually field spikes; however, they were subject at a minimum to the same conditions as a true field spike and can be treated as such. This approach has a significant advantage in that recoveries were measured against the standards which were used to prepare the spikes. Over the duration of the program, 20 field spikes were prepared and analyzed. The field spikes were prepared at three concentration levels in order to establish if recovery was affected by concentration. The results are given in Table 27 and are summarized with average percent recovery. For all seven volatiles, there was no significant difference in recovery over the studied concentration range. The same data were also interpreted in terms of the effect of storage time on percent recovery. The storage time is considered to be the difference in when the sample was prepared and when it was analyzed. The data are presented in Table 28 and show no change in percent recovery for storage times up to 63 days.

In summary, VOA samples shipped from Crown to Kansas City were concluded to accurately represent the samples as they existed at the time of collection.

Analysis of Duplicates - Precision--

Throughout the program samples were analyzed in duplicate as an indication of the reproducibility of the analysis. The general approach was to perform the first analysis early in the day and then to repeat the analysis later the same day. The duplicate data are given in Table 29. Although no statistical treatment of the data was made, an inspection of the results shows that reproducibility of duplicate analyses was quite good.

Internal Standards for Quantitation--

As previously mentioned, two internal standards were included in every sample analyzed. This included system blanks, field blanks, field samples, and standards. The spike levels were 20 ppb for bromochloromethane and 150 ppb for 2-bromo-1-chloropropane. The computing integrator on the VOA system was programmed to first measure all the peak areas. Thus, two relative response factors for each of the seven compounds were generated daily from the standards. Samples were quantitated by comparison of observed peak area ratios with relative response factors. Generally, quantitation was made using both internal standards and then the two results were averaged. The value of this approach is illustrated by the linearity of the calibration curves, and the reproducibility of the duplicates.

TABLE 27. RECOVERY OF VOA FIELD SPIKES

			Percent recovery																				
			Methylene chloride			t-Dichloroethene			Chloroform			1,1,1-Trichloroethane			Benzene			1,1,2,2-Tetrachloroethane			Toluene		
	Date	Date	L[a/]	M[a/]	H[a/]	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H
Sample	prepared	analyzed	(10)	(50)	(250)	(1)	(5)	(25)	(10)	(50)	(250)	(1)	(5)	(25)	(2)	(10)	(50)	(2)	(10)	(50)	(2)	(10)	(50)
6197GBCA	6/12	6/20			109.0			108.0			109.0			111.0			107.0			107.0			108.0
6198GBCA	6/12	6/20	49.0			110.0			69.0			91.0			33.0			75.0			63.0		
6291GBCA	6/26	7/10	98.0			130.0			130.0			130.0			100.0			115.0			116.0		
6291GBCA	6/26	7/10	99.0			130.0			124.0			100.0			100.0			125.0			116.0		
6292GBCA	6/22	7/10	120.0			100.0			66.0			90.0			95.0			60.0			110.0		
6292GBCA	6/22	7/10	106.0			110.0			68.0			100.0			89.0			95.0			105.0		
6293GBCA	6/26	6/30		103.0			112.0			109.0			119.0			113.0			88.0			114.0	
6294GBCA	6/26	7/10			102.0			102.0			104.0			100.0			99.0			92.0			99.0
6294GBCA	6/26	7/10			103.0			107.0			107.0			105.0			102.0			97.0			102.0
7216GBCA	6/30	7/25			90.6			94.4			93.7			89.1			90.3			82.6			90.2
7217GBCA	6/30	7/25		90.6			88.0			92.1			91.5			94.9			99.4			98.9	
7218GBCA	6/30	7/24	85.1			90.0			94.1			85.6			84.5			90.0			118.0		
8102GBCA	6/30	8/14			83.0			79.0			88.0			86.0			90.0			72.0			89.0
8103GBCA	6/30	8/14		85.0			110.0			93.0			93.0			92.0			78.0			97.0	
8104GBCA	6/30	8/14	114.0			70.0			108.0			90.0			105.0			74.0			148.0		
8237GBCA	8/18	8/28		108.0			94.6			102.0			105.0			102.0			95.7			101.0	
8312GBCA	8/18	9/20			92.2			89.2			91.8			88.5			88.5			94.3			90.8
9342GBCA	8/18	10/20	103.0			111.0			88.0			102.0			60.0			87.0			95.0		
9352GBCA	9/22	10/24			98.0			96.0			103.0			95.0			90.0			76.0			86.0
9363GBCA	9/22	10/24	95.0			110.0			95.0			100.0			86.0			96.0			76.0		
		$\bar{X}$	96.6	96.7	96.8	106.8	101.2	96.5	93.6	99.0	99.5	98.7	102.1	96.7	83.6	100.5	95.3	90.8	90.3	88.7	105.2	101.2	95.0
		S	20.6	10.7	8.8	18.7	11.7	10.3	23.7	8.0	8.2	13.1	12.8	9.9	23.1	9.3	7.3	20.3	9.5	12.4	25.0	7.6	8.1
		$\bar{\bar{X}}$		96.7%			102.1%			96.7%			98.7%			91.1%			90.0%			101.2%	
				14.9%			15.0%			16.7%			11.5%			17.5%			15.4%			17.7%	

[a/] L, M, H refer to the spike level in parts per billion. The actual spike levels in parts per billion are given parenthetically.

TABLE 28. EFFECT OF AGE ON FIELD SPIKE RECOVERIES

	Percent recovery						
Age (days)	Methylene chloride	t-Dichloroethene	Chloroform	1,1,1-Trichloroethane	Benzene	1,1,2,2-Tetrachloroethene	Toluene
4	103	112	109	119	113	88	114
8	109	108	109	113	107	107	108
	49	110	69	91	33	75	63
10	108	95	102	105	102	96	103
14	98	130	130	130	100	115	116
	99	130	124	100	100	125	116
	102	102	104	100	99	92	99
	103	107	107	105	102	97	102
25	85	90	94	86	85	83	118
	91	88	92	92	95	99	99
	91	94	94	89	90	90	90
18	120	100	66	90	95	60	110
	106	110	68	100	89	95	105
32	95	110	95	100	86	96	76
	98	96	103	95	90	76	86
33	92	89	92	89	89	94	91
44	114	70	108	90	105	74	148
	85	110	93	93	92	78	97
	83	79	88	86	90	72	89
63	103	111	88	102	60	87	95

TABLE 29. VOA DUPLICATE ANALYSES

Sample	Methylene chloride (ppb)	t-Dichloroethene (ppb)	Chloroform (ppb)	1,1,1-Trichloroethane (ppb)	Benzene (ppb)	1,1,2,2-Tetrachloroethene (ppb)	Toluene (ppb)
5317GBBA	< 1.0, < 1.0	< 1.0, < 1.0	< 1.0, < 1.0	< 1.0, < 1.0	< 0.1, < 0.1	< 1.0, < 1.0	< 0.5, < 0.5
6063GB4A	101.0, 108.0	1.9, 2.1	78.0, 87.0	1.8, 2.2	8.3, 9.7	5.4, 7.1	5.6, 6.4
6066GB4A	93.0, 105.0	1.2, 1.8	83.0, 92.0	1.4, 1.9	10.8, 13.3	4.6, 6.3	7.4, 8.8
6072GB4A	135.0, 150.0	1.8, 2.6	106.0, 129.0	1.7, 2.8	3.0, 4.3	5.8, 10.7	1.9, 2.9
6077GB4A	145.0, 138.0	2.1, 2.5	114.0, 114.0	2.1, 2.7	3.6, 3.7	7.9, 10.6	3.1, 2.4
6126GB2A	146.0, 140.0	5.1, 5.2	135.0, 128.0	6.2, 6.2	29.0, 29.0	13.5, 18.8	19.2, 18.5
6191GN3A	39.5, 39.0	< 1.0, < 1.0	31.0, 31.0	< 1.0, < 1.0	4.2, 4.2	1.0, 1.0	0.0, 3.0
6267GB2A	456.0, 455.0	14.2, 14.3	456.0, 461.0	16.7, 17.4	81.0, 83.0	50.0, 53.0	48.0, 49.0
6267GN3A	69.0, 70.0	1.1, 1.0	54.0, 55.0	< 1.0, < 1.0	4.6, 4.9	0.0, 3.2	4.4, 3.2
7212GN3A	8.0, 7.8	< 1.0, < 1.0	5.6, 6.4	-	< 0.1, < 0.1	< 1.0, < 1.0	< 0.5, < 0.5
7276GB4A	230.0, 216.0	7.8, 7.5	207.0, 193.0	7.2, 6.5	25.0, 26.0	20.0, 19.0	13.1, 13.4
8087GB5A	12.9, 16.1	< 1.0, < 1.0	28.0, 6.1	< 1.0, < 1.0	0.4, 0.5	< 1.0, < 1.0	< 0.5, < 0.5
8107GN3A	102.0, 0.0	4.6, 6.4	134.0, 129.0	4.5, 4.6	6.2, 9.2	13.9, 13.4	0.5, 1.7
8168GB2A	9.8, 10.3	< 1.0, < 1.0	11.0, 10.6	< 1.0, < 1.0	< 0.1, < 0.1	3.2, 2.7	< 0.5, < 0.5
8237GB2A	< 1.0, 3.2	< 1.0, < 1.0	-	< 1.0, < 1.0	< 0.1, < 0.1	< 1.0, < 1.0	< 0.5, < 0.5
8247GE3A	6.6, 6.0	1.0, < 1.0	10.1, 10.7	< 1.0, < 1.0	1.4, 1.7	< 1.0, < 1.0	< 0.5, < 0.5
9207GB2A	< 1.0, 1.0	< 1.0, < 1.0	2.1, 2.5	< 1.0, < 1.0	0.2, 0.1	< 1.0, < 1.0	< 0.5, < 0.5

Internal Standards for System Reproducibility--

Since the internal standards were included in every analysis, each day's work generated 8 to 12 peak areas for each internal standard. By comparing peak area throughout the day and from day-to-day, the reproducibility of the entire analysis system was measured. The top portion of Figure 6 shows the daily average area and standard deviation for 2-bromo-1-chloropropane for the first 19 working days. The daily average peak area was remarkably constant and indicated no change in any of the factors affecting peak area, e.g., stability of internal standard solution, spiking technique, purging efficiency, and flame ionization detector characteristics. Each day the relative standard deviation for the internal standards was also calculated and is shown in th lower part of Figure 6. As seen, the precision was quite good and did not change notably over the 19-day period. Throughout the remainder of the program, the internal standard peak areas were monitored and used as an indicator of the system stability.

As would be expected, the peak areas of the standards exhibited a similar level of reproducibility. This can be seen in the inset of Figure 5 which shows the standard deviations for the methylene chloride and chloroform standards for the first 15 working days.

Phthalates by GC

For the treatability part of the program, the water and sludge samples were analyzed by the same protocol and so the QA program applies equally. The QA program consisted of the following.

* Analyis of reagent blanks.

* Analysis of spiked blanks and samples.

* Analysis of duplicates.

* Use of internal standard for system stability.

Analysis of Reagent Blanks--

Reagent blanks represent the extraction solvent taken through the same operations used for samples. It should be noted that a significant number of field blanks were prepared at Crown by EPA personnel. Since MRI had no control or input to their preparation, they were considered to be samples and not blanks. No significance was made by MRI concerning the observed level of phthalates in these samples.

The results of MRI's phthalates blanks analyses are given in Table 30. No significant level of di-n-butylphthalate or bis-(2-ethylhexyl)phthalate was found in any of the 31 blanks.

Analysis of Spiked Samples and Spiked Blanks--

Both distilled water blanks (18) and samples (6) were spiked with the two phthalates. The phthalate recovery data for all the spikes is given in Table 31. The average recovery for both phthalates was about 94% and the standard deviations were both around 22%.

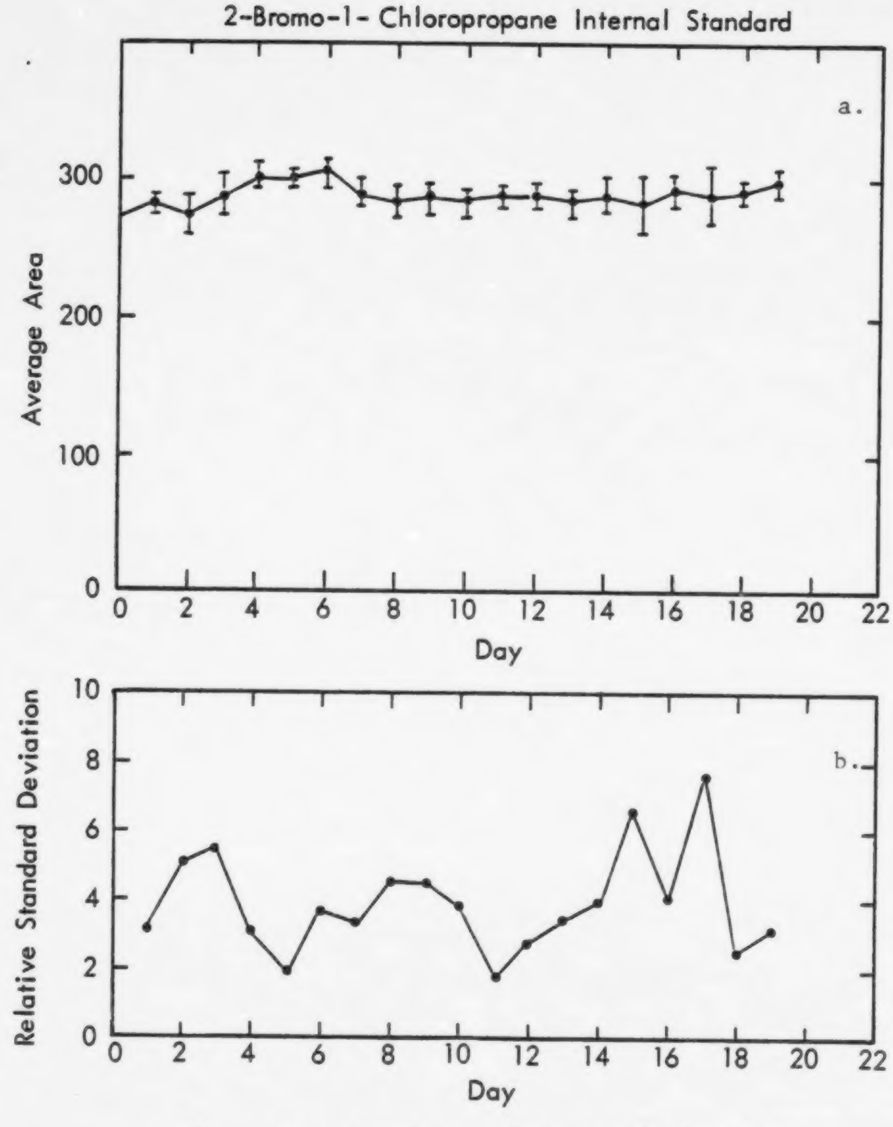


Figure 6. Precision of internal standard.
a. Daily average peak areas.
b. Daily relative standard deviations.

TABLE 30. ANALYSIS OF PHTHALATE BLANKS[a]

Di-n-butyl phthalate (ppb)	Bis-(2-ethylhexyl) phthalate (ppb)
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
2.0	< 1.0
3.0	< 1.0
1.0	< 1.0
< 1.0	< 1.0
1.0	< 1.0
1.0	1.0
3.0	17.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0
< 1.0	< 1.0

---

a/ These represent solvent plus glassware blanks for the MRI North Star Laboratory. Field blanks are not included.

TABLE 31. RECOVERY OF PHTHALATE SPIKES

Percent recovery	
Di-n-butylphthalate (74 ppb)	Bis-(2-ethylhexyl)phthalate (195 ppb)
76.0	66.0
78.0	65.0
84.0	61.0
88.0	65.0
85.0	86.0
83.0	100.0
63.0	97.0
93.0	95.0
89.0	94.0
88.0	120.0
91.0	120.0
61.0	92.0
84.0	103.0
104.0	108.0
108.0	111.0
82.0	92.0
91.0	84.0
72.0	143.0
179.0[a]	97.0[a]
87.0[a]	97.0[a]
39.0[a]	70.0[a]
78.0[a]	102.0[a]
68.0[a]	100.0[a]
46.0[a]	
$\overline{X}$ = 84%	$\overline{X}$ = 94%
s = 25%	s = 20%
n = 24	n = 23

---

[a] Spiked sample data. All other recoveries refer to distilled water spikes.

All samples were also spiked with hexachlorobenzene. Its use will be discussed below.

Analysis of Duplicates--

Duplicate analyses were conducted on 49 samples throughout the program. The results are listed in Table 32 and show the level of reproducibility that was achieved.

Use of Internal Standards for System Stability--

As mentioned before, every sample was spiked at 0.1 ppb with hexachlorobenzene and a percent recovery determined. This information was not used to correct phthalate data but served as an indication that no problem occurred during sample preparation. If a low recovery was observed, that sample was reextracted.

Volatiles by GC/MS

The analysis of samples for volatile organics by GC/MS was performed more to provide qualitative information than quantitative data. The goal was to establish that if any volatile organics were present at greater than 10 ppb, they would be detected. The daily analysis schedule always began with a system blank which consisted of organic-free water spiked with two internal standards. The system was demonstrated to be free of any contamination before and standards or samples were analyzed. Composite 10 and 50 ppb standards containing all of the volatile organics plus the internal standards bromochloromethane and 1,4-dichlorobutane were then analyzed.

The internal standards were added at 25 ppb to every sample and standard and were used for semiquantitation, as a retention time marker and as an indication of system performance. Figure 7 shows the reconstructed gas chromatogram for a 50-ppb composite standard.

Semivolatile Extractables by GC/MS

As discussed above, the GC/MS analysis of semivolatiles was principally a qualitative tool and many of the analyses were performed more to characterize the sample than to provide quantitative data. The main objective of the QA program is to insure that if a compound was present in the water at > 10 ppb, it would be detected. Each day a system blank was analyzed prior to any samples or standards. The GC/MS system performance was then evaluated according to the Priority Pollutant protocol. Composite standards containing all of the basic/neutrals or acidics were then analyzed to demonstrate what compounds would be detected if present. The base/neutral composite standards were at a level that corresponded to original sample concentrations of 20 and 40 ppb. The acidic standard corresponded to a 50-ppb original water concentration. Figures 8 and 9 show the reconstructed ion chromatograms for the base/neutrals (equivalent to 20 ppb sample) and for the acidics (equivalent to 50 ppb sample).

The analysis procedure for fish samples was checked by the analysis of a spiked fish sample. Fish No. 1 was spiked with phenolic and base/neutral priority pollutant using a standard "Master Mixture" obtained from the EPA.[4]

TABLE 32. PHTHALATE DUPLICATE ANALYSES

Sample	Di-n-butyl phthalate (ppb)	Bis-(2-ethylhexyl)phthalate (ppb)
5258GB2B	< 1, < 1	< 1, < 1
5306GB2B	470, 440	870, 800
5311LB1B	2, < 1	16, 11
5317SB1B	< 1, < 1	610, 23
6011LB1B	< 1, < 1	11, 12
6061LN3B	210, 220	63, 150
6126SB2B	170, 320	480, 640
6136SB2B	270, 250	450, 650
6151LB2B	390, 400	580, 650
6156SN3B	< 1, < 1	63, 69
6211LN3B	550, 550	60, 170
6231LB2B	520, 530	760, 850
6267SN3B	380, 400	54, 81
7199LB8B	< 1 < 1	3, 3
7199LB6B	300, 210	470, 420
7217SB2B	340, 350	770, 720
7252LB2B	2,200, 2,100	4,000, 3,200
7276SB2B	290, 280	780, 790
7276SB4B	6,200, 3,000	27,000, 18,000
8086SB2B	170, 170	230, 230
8091LB2B	< 1, < 1	230, 230
8102LB2B	190, 160	270, 220
8102LB4B	< 1, < 1	270, 240
8106SB2B	< 1, 160	380, 300
8107SB4B	< 1, < 1	470, 330
8107SN3B	< 1, < 1	260, 220
8112LB2B	97, 110	180, 190
8152LB2B	220, 220	510, 520
8161LB2B	2,600, 2,300	2,300, 1,800
8171LB2B	169, 142	310, 250
8132GB1B	3, 4	< 1, < 1
8182LB2B	35, 33	44, 39
8227SN3B	< 1, < 1	58, 61
8233LB2B	60, 54	28, 27
8238SN3B	2, 3	20, 12
8247SB2B	47, 70	46, 56
8251LB2B	68, 85	42, 49
8292LB2B	109, 116	175, 204
8296SB2B	126, 128	99, 82
8307SE3B	133, 93	56, 60
8316SB2B	120, 75	72, 130
9017SB2B	< 1, < 1	100, 84
9062LB2B	< 1, < 1	22, 50
9202LB2B	310, 190	270, 260
9212LB2B	200, 250	240, 240
9337SB2B	330, 230	250, 250
9342LB2B	280, 290	450, 390
9357SB2B	380, 490	380, 310
9362LB2B	400, 610	370, 360

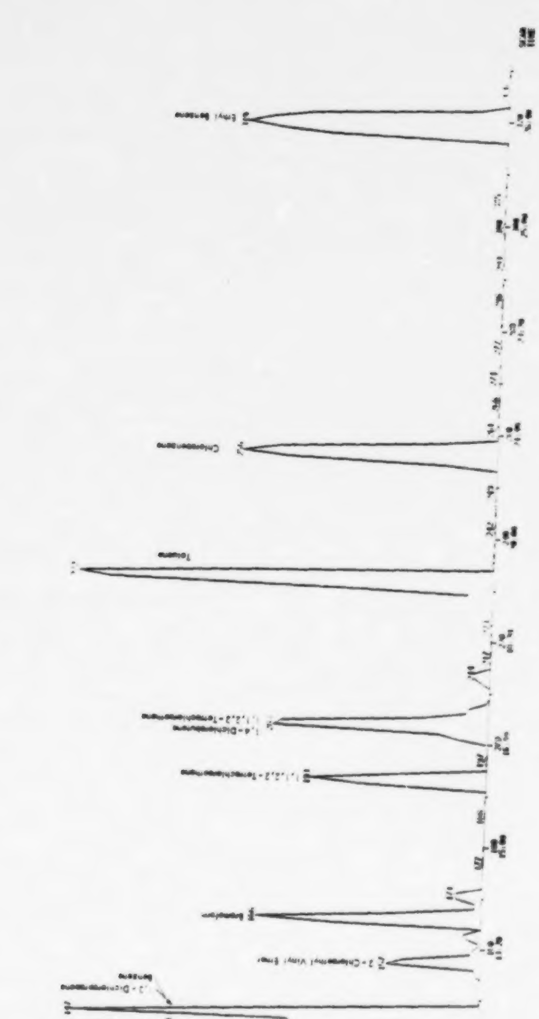


Figure 7. RGC of 50-ppb VOA standard.

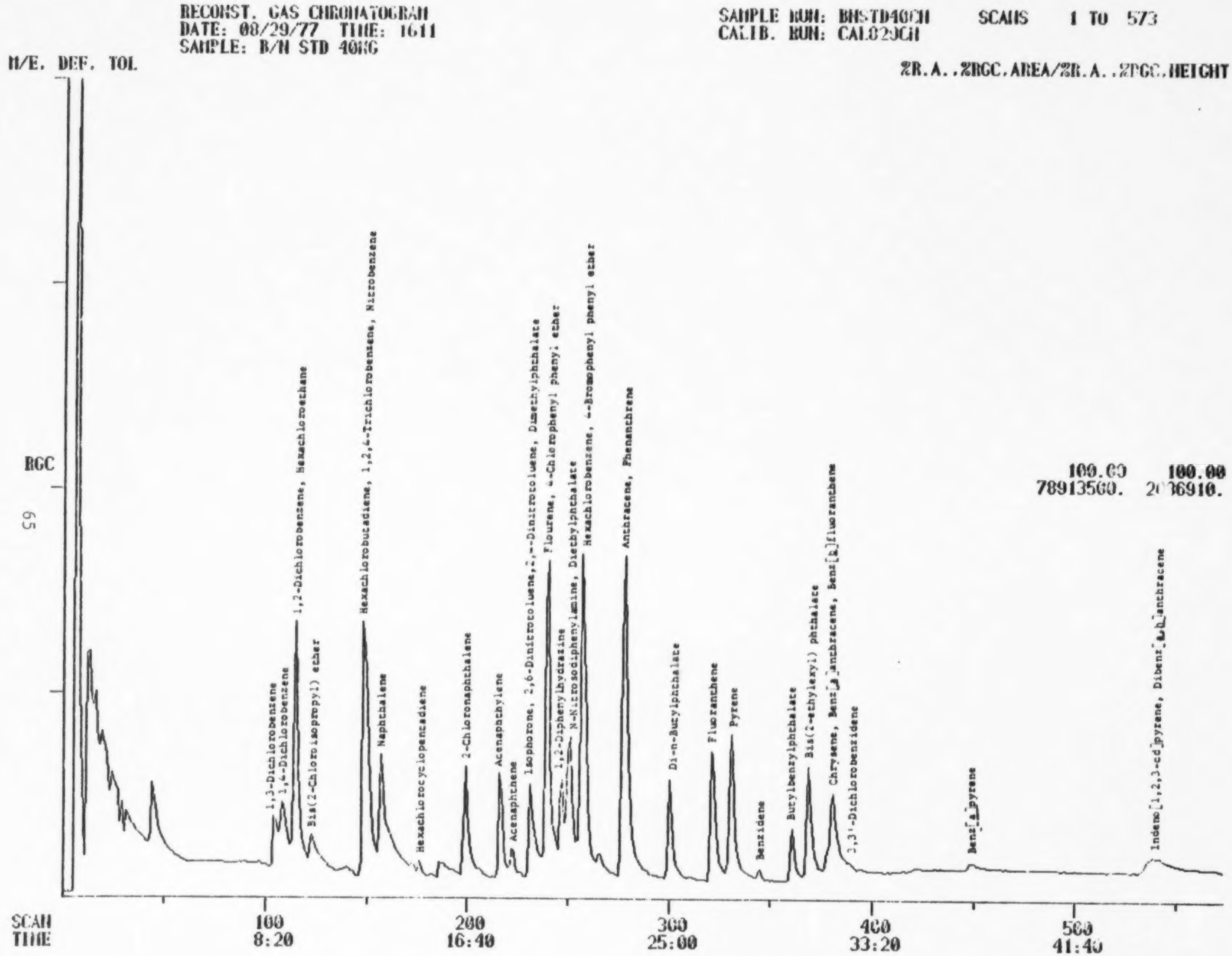


Figure 8. RGC of 40 ng base/neutral standard.

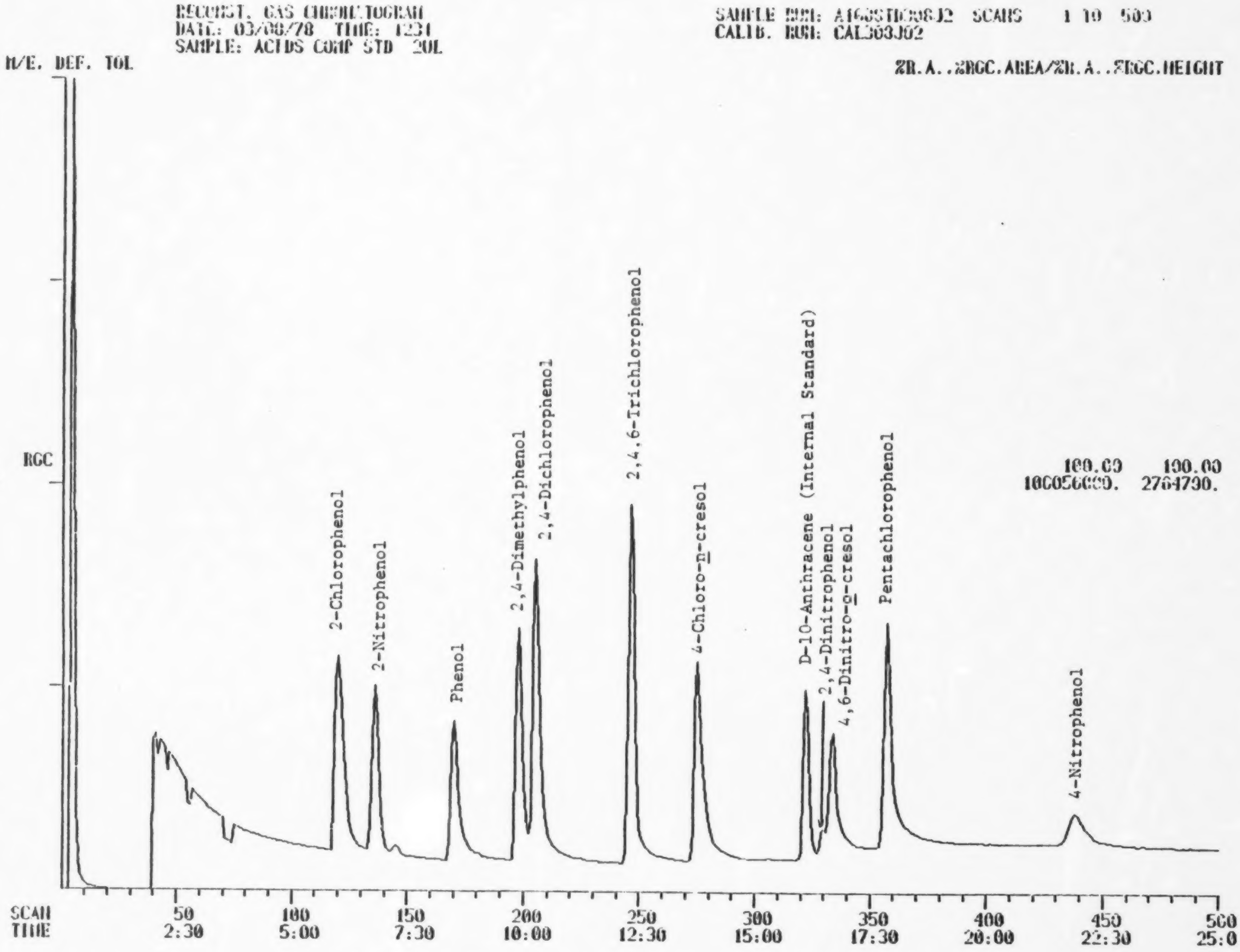


Figure 9. RGC of 100 ng acids standard (on 1% SP-1240 DA).

The spike level for all compounds was 1.0 μg/g frozen ground fish. The measured recoveries and background levels are given in Table 33.

Deuterated anthracene was added to all sample extracts and samples at a level such that 40 ng was always injected. The internal standard was used as a retention time marker, for semiquantitation, and as an indicator of system stability.

Metals

The QA program for the analysis of water and sludge samples for the prioritiy pollutant metals consisted of the following:

* Analysis of blanks.

* Analysis of spiked blanks and samples.

* Analysis of duplicates.

Analysis of Blanks--

Throughout the program a variety of blanks were analyzed. With each batch of samples processed, two reagent blanks were carried through the identical procedure. These blanks were analyzed along with the samples and subtracted from the sample results. Several special blanks were analyzed early in the program to establish that neither the sampling bottles nor the transporting of the samples was causing any contamination. Three samples of MRI distilled water were shipped to Crown in sample bottles that had been prepared for metals samples. They were returned to MRI along with a sample of distilled water prepared at Crown. The results are given in Table 34. No contamination was evident.

Throughout the program, numerous "blanks" were generated by the VERSAR sampling program and shipped to MRI for analysis. These blanks were considered by MRI to be samples and no evaluation of the results was made.

Analysis of Spiked Blanks and Samples--

With each batch of samples being processed, both blanks (distilled water) and samples were spiked. The initial spiking was done at high levels in order to be assured that the spike level was higher than the sample level. As data were accumulated, the spike levels were reduced to the same order of magnitude as the samples. Sludge samples were analyzed prior to determining a spike level. The recovery results are summarized in Table 35 as average percent recoveries and standard deviations. All recoveries were reasonably good in the blanks and samples except for lead in samples. It was suspected that the high level of sulfate in the mine drainage water interfered in the electrothermal analysis. Silver could not be spiked into the samples due to the presence of chloride ion (from the beryllium spiking solution which contained HCl).

TABLE 33. RECOVERY OF SEMIVOLATILE PRIORITY POLLUTANTS FROM SPIKED FISH

	Level found Fish 1 unspiked (µg/g)	Fish 1 spiked level (µg/g)	% Recovery
1,3-Dichlorobenzene	0.013	1.0	40
1,4-Dichlorobenzene	-	1.0	43
Hexachloroethane	-	1.0	40
1,2-Dichlorobenzene	-	1.0	46
Bis(2-chloroisopropyl) ether	-	1.0	37
Hexachlorobutadiene	-	1.0	40
1,2,4-Trichlorobenzene	-	1.0	48
Naphthalene	-	1.0	47
Bis(2-chloroethyl) ether	-	1.0	ND[a]
Hexachlorocyclopentadiene	-	1.0	ND
Nitrobenzene	-	1.0	ND
Bis(2-chloroethoxy) methane	-	1.0	ND
2-Chloronaphthalene	-	1.0	57
Acenaphthylene	-	1.0	55
Acenaphthene	-	1.0	53
Isophorone	-	1.0	ND[a]
Fluorene	0.002	1.0	60
2,6-Dinitrotoluene	-	1.0	ND[a]
1,2-Diphenylhydrazine	-	1.0	54
2,4-Dinitrotoluene	-	1.0	ND[a]
N-Nitrosodiphenylamine	-	1.0	71
Hexachlorobenzene	-	1.0	37
4-Bromophenyl phenyl ether	-	1.0	53
Phenanthrene	0.016	1.0	60
Anthracene		1.0	
Dimethylphalate	-	1.0	ND
Diethylphthalate	-	1.0	ND
Fluoranthene	0.005	1.0	52
Pyrene	0.005	1.0	53
Di-n-butylphthalate	-	1.0	11
Endosulfan sulfate	-	1.0	ND[a]
Benzidine	-	1.0	ND
3,3'-Dichlorobenzidine	-	1.0	15
Butyl benzylphthalate	-	1.0	ND
Chrysene	-	1.0	46
Bis(2-ethylhexyl) phthalate	-	1.0	32
Benzo[a]anthracene	-	1.0	ND[a]
Benzo[a]fluoranthene	-	1.0	30
Benzo[k]fluoranthene	-	1.0	
Benzo[a]pyrene	-	1.0	ND

(continued)

TABLE 33 (continued)

	Level found Fish 1 unspiked (μg/g)	Fish 1 spiked level (μg/g)	% Recovery
Indeno[1,2,3-cd]pyrene	-	1.0	26
Dibenzo[a,h]anthracene	-	1.0	25
Benzo[g,h,i]perylene	-	1.0	25
N-Nitrosodimethylamine	-	1.0	ND[a]
N-Nitrosodi-n-propylamine	-	1.0	ND[a]
4-Chlorophenyl phenyl ether	-	1.0	ND
Endrin aldehyde	-	1.0	-
			Average Recovery 43%[b]
2-Chlorophenol	-	2.5	93
2-Nitrophenol	-	2.5	129
Phenol	-	2.5	5.5
2,4-Dimethylphenol	-	2.5	81
2,4-Dichlorophenol	-	2.5	212
2,4,6-Trichlorophenol	-	2.5	212
4-Chloro-m-cresol	-	2.5	73
2,4-Dinitrophenol	-	2.5	ND
2,4-Dinitro-o-cresol	-	2.5	ND
Pentachlorophenol	2.7	2.5	101
4-Nitrophenol	-	2.5	ND
			Average Recovery 113%[b]

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[a] Priority pollutant not observed in standard.

[b] Based on recovered parameters only.

TABLE 34. ANALYSIS OF SPECIAL BLANKS FOR PRIORITY POLLUTANT METALS

	Samples (ppb)			
Metal	5117GBBG (MRI distilled water)	5128GBBG (MRI distilled water)	5128GB8G (EPA distilled water)	5168GBBG (MRI distilled water)
Antimony	< 10	< 10	< 10	< 10
Arsenic	< 10	< 10	< 10	< 10
Beryllium	< 10	< 10	< 10	< 10
Cadmium	< 10	< 10	< 10	< 10
Chromium	< 10	< 10	< 10	< 10
Copper	< 10	< 10	< 10	< 10
Lead	< 10	< 10	< 10	< 10
Mercury	< 10	< 10	< 10	< 10
Nickel	< 10	< 10	< 10	< 10
Selenium	< 10	< 10	< 10	< 10
Silver	< 10	< 10	< 10	< 10
Thallium	< 10	< 10	< 10	< 10
Zinc	< 10	< 10	< 10	< 10

TABLE 35. ANALYSIS OF SPIKED BLANKS AND SPIKED SAMPLES FOR PRIORITY POLLUTANT METALS

Metal/sample type (spike levels, ppb)	Spike recoveries					
	Spiked blanks		Spiked samples		All samples	
	% Recovery[a]	S[b]	% Recovery[a]	S[b]	% Recovery[a]	S[b]
Antimony						
Water (30-1,000)	98(7)	12	116(8)	12	105(16)	17
Sludge (18,000)	-	-	75(1)	-	-	-
Arsenic						
Water (30-100)	100(8)	14	90(15)	20	93(26)	18
Sludge (17,500)	-	-	84(2)	23	-	-
Lime (5,000)	-	-	95(1)	-	-	-
Beryllium						
Water (40-3,700)	116(9)	17	125(6)	36	115(16)	29
Lime (1,100)	-	-	45(1)	-	-	-
Cadmium						
Water (40-190)	113(7)	5	103(7)	20	105(15)	17
Sludge (110)	-	-	74(1)	-	-	-
Chromium						
Water (40-1,680)	107(15)	26	102(6)	11	106(21)	23
Copper						
Water (40-800)	88(3)	7	134(5)	11	118(8)	26
Lead						
Water (40-2,900)	107(6)	29	27(5)	6	[c]	-
Mercury						
Water (40-1,500)	98(9)	20	98(8)	25	99(18)	21
Sludge (6,000)	-	-	110(1)	-		

(continued)

TABLE 35 (continued)

	Spike recoveries					
	Spiked blanks		Spiked samples		All samples	
(spike levels, ppb)	% Recovery[a]	S[b]	% Recovery[a]	S[b]	% Recovery[a]	S[b]
Nickel Water (40-800)	85(13)	20	91(2)	55	86(15)	23
Selenium Water (30-1,000)	112(9)	9	108(7)	43	110(16)	28
Silver Water	All standard additions					
Thallium Water (2,400-4,800)	110(1)	-	108(5)	5	108(6)	4
Zinc Water (40-800)	112(15)	17	69(6)	29	100(21)	28

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a/ Average percent recovery. Number of data points in parenthesis.

b/ Standard deviation of percent recovery

3/ Total average percent recovery not calculated. Blank and sample spikes have significant differences.

Duplicate Analysis--

A limited number of duplicate samples were processed with each batch of samples. Efforts were made to see that each type of sample was included. The duplicate results are summarized in Table 36. For duplicates of both less than 10 ppb, the number of occurrences is simply indicated. Also notation is made of the duplicate sludges.

MAGNETIC TAPE COPY OF RESULTS

In response to the request of the Extraction Technology Branch, arrangements were made with Service Bureau Consultants (SBC) to have magnetic tapes prepared containing the analytical data and the computer programs. These tapes are to be submitted with the final report. The contents of the two tapes are the computer programs listed in Appendix B and the data listed in Appendices C-1, C-2 and C-3. The following information was provided by SBC as a guide to use of the tapes.

Density 800 BPI
Fixed length 20
Block size 400
9 Track EPS1D1C
OS Standard labels

TABLE 36. METALS DUPLICATE ANALYSES[a]

Antimony:	< 10; < 10(6)[a]
	29,000; 26,000[b]
	49; 19
	11; 12
	12; < 10
Arsenic:	< 10, < 10(11)[a]
	160; 130
	< 10; < 10; 10
	10; 10
	15; 16
	20; < 10
	23,000; 21,000[c]
	250,000; 210,000[c]
	80; 67
	54; 62
	66; 34
	54; 59
Beryllium	< 10; < 10(2)[b]
	17; 17
	13; 14
	20; 20; 17
	20; 19
Cadmium	< 10; < 10(9)[b]
	580; 650
Chromium:	< 10; < 10(5)[b]
	25; 26
	24; 22
	15; 15
Copper:	< 10; < 10(6)[b]
Lead:	< 10; < 10(7)[b]
Mercury:	< 10; < 10(8)[b]
Nickel:	200; 200
	400; 400
	16; 21
	12; < 10
	< 10; < 10
Selenium:	< 10; < 10(6)[b]
	1,300,000; 670,000[c]
	240; 120
	100; 87
	140; 77
	44; 83
Silver:	< 10; < 10(10)[b]
Thallium:	< 10; < 10(6)[b]
Zinc:	730; 720
	610; 600
	12; < 10
	470; 410
	20; 11
	420; 410
	< 10; 78
	16; < 10
	< 10; < 10

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[a] Values are given in μg/ℓ for water and μg/g for sludge (dry weight).

[b] The number in parenthesis is the number of times both duplicates were < 10 ppb.

[c] Sludge sample.

REFERENCES

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2. Sampling and Analysis Procedures for Screening of Industrial Effluents for Priority Pollutants. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268, Revised April 1977.

3. Interim Method for the Sampling and Analysis of Priority Pollutants in Sediment and Fish Tissue, U.S. Environmental Protection Agency, Enviornmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268, undated.

4. Preparation of Standard "Master Mixtures" of Consent Decree Toxic Organics--Phenols and Base/Neutral Extractables. U.S. Environmental Protection Agency, Cincinnati, Ohio 45268.

APPENDIX A

ANALYTICAL METHODS USED FOR ANALYSIS OF FISH AND SEDIMENTS FOR PRIORITY POLLUTANTS

Analysis of Fish for Volatile Organics by Headspace Analysis

Analysis of Fish for General Organics by Solvent Extraction

Analysis of Fish for Metals (Except Mercury)

Analysis of Fish for Mercury

Analysis of Sediments for Metals (Sb, Be, Cd, Cr, Cu, Pb, Hi, Ag, Tl, Zn)

Analysis of Sediments for Mercury

Analysis of Sediments for Arsenic and Selenium

3.2 Fish

3.2.1 To prepare the fish sample for analytical pretreatment, unwrap and weigh each fish. Combine small fish by site and species until a minimum combined weight of 250 g is obtained. Chop the sample into 1 in chunks using a sharp knife and mallet.

3.2.2 Grind the sample using a large commercial meat grinder that has been precooled by grinding dry ice. Thoroughly mix the ground material. Regrind and mix material two additional times. Clean out any material remaining in the grinder; add this to the sample and mix well.

3.2.3 Weight five 10.0-g portions of the sample into separate 125-ml vials. Using a crimper, tightly secure a septum to each bottle with a seal. Store these sample aliquots in a freezer until ready for volatile organics analysis.

3.2.4 Transfer the remaining fish sample to a glass container and store in a freezer for later subsampling and analysis.

Analysis of Fish for Volatile Organics by Head Space Analyses

1. Scope

1.1 This method is designed to determine those "unambiguous priority pollutants" associated with the Consent Decree (4) that are amenable to head space analyses. These compounds are listed in Table IV. It is a GC-MS method intended for qualitative and semiquantitative determination of these compounds. The head space analyses and the liquid-liquid extraction methods are complementary to one another. There is an overlap between the two: some compounds can be recovered by either method. The efficiency of recovery depends on the vapor pressure and water solubility of the compounds involved. Generally, the overlap involves compounds boiling between 130 and 150°C with a water solubility of approximately 2 percent. When compounds are efficiently recovered by both methods, the chromatography determines the method of choice. The GC conditions selected for the head space method are, generally, not suitable for the determination of compounds eluting later than chlorobenzene.

1.2 Although the above approach has not been sufficiently tested through extensive experimentation, it is based on laboratory experience and is presently considered to be the best analytical approach for volatile organic materials in fish.

2. Special Apparatus and Materials

2.1 Sonifier Cell Disrupter W-350 with microprobe (manufactured by Brawson Sonic Power Company, Danbury, Connecticut) or equivalent.

2.2 Gas-tight syringe - 5 cc.

2.3 Organic free water - prepared by passing distilled water through an activated carbon column.

2.4 Head space standard solutions - prepare three standard methanol solutions of the compounds listed in Table IV at the 50 ng/μl, 150 ng/μl, and 300 ng/μl concentrations. The standard solutions should be stored at less than 0°C. Solutions should be allowed to warm to room temperature before dosing. Fresh standards should be prepared weekly. Procedures for preparing standards are outlined in the purge and trap section of Reference (4).

3. Procedure

3.1 Remove four of the sample vials containing 10.0 g of homogenized fish from the freezer. Open the vials and add 10 ml of organic free water to each while the fish is still frozen. Sonify the fish for 30 sec at maximum probe power. Immediately reseal the vials.

3.2 Dose one sample vial through the septum below the water level with 10 µl of the 50 ng/µl standard methanol solution. Dose a second vial with 10 µl of the 150 ng/µl standard and a third vial with 10 µl of the 300 ng/µl standard.

3.3 Place all four sample vials into a 90°C water bath for 1 hr.

3.4 While maintaining the sample at 90°C, withdraw 2.0 ml of the head gas with a gas-tight syringe and analyze by injecting into a GC, operating under the conditions recommended in Reference (4).

NOTE: Specific GC detectors can be substituted for the MS.

3.5 Analyze the undosed sample first, followed by the 50 ng/ 1 dosed sample. If no compounds of interest are found in the undosed sample and the dosed sample produces peaks to indicate recovery of the protocol compounds, do not analyze the remaining samples. Calculate lower limits of detection based on the response obtained from the dosed sample. If compounds are observed in the undosed sample, analyze the two remaining dosed samples in exactly the same manner. Subtract the peak areas of compounds found in the undosed sample from the corresponding compounds contained in the dosed data; quantify the unknown.

NOTE: If the calculated sample concentration is greater than the concentration of the dosed standard used in the dosing step, it is necessary to prepare additional standards in order to bracket the unknown. Utilize the remaining sample in the freezer for this purpose.

3.6 Standard quality assurance protocols should be employed, including blanks, duplicates, and dosed samples, as described in the "Analytical Quality Control Handbook" (7).

4. Reporting of Data

4.1 Report all results in µg/kg on a wet tissue basis. Report all quality control data with the analytical results for the samples.

Analysis of Fish for General Organics by Solvent Extraction

1. Scope

1.1 This method is designed to determine those "unambiguous priority pollutants" associated with the Consent Decree (4) that are solvent extractable and amenable to gas chromatography. These compounds are listed in Tables II and III. It is a GC/MS method intended for qualitative and semiquantitative determination of these compounds. Although this approach has not been sufficiently tested through extensive experimentation, it is based on laboratory experience and is presently the best analytical approach for these organic materials in fish.

2. Special Apparatus and Materials

2.1 Tissumizer SDT-182EN (available from Tekmar Company, P.O. Box 37202, Cincinnati, Ohio 45222) or equivalent.

2.2 Centrifuge - capable of handling 100-ml centrifuge tubes.

2.3 Separatory funnels - 2 liter with teflon stopcock.

2.4 Organic free water - prepared by passing distilled water through an activated carbon column.

3. Procedure

3.1 Weigh 20.0 g of ground, homogeneous fish and add to a 100-ml centrifuge tube. Add 20 ml of acetonitrile and insert the tissumizer into the sample. Turn on tissumizer and disperse the fish into the solvent for 1 min. Centrifuge and decant the solvent into a 2-liter separatory funnel containing 1,300 ml of a 2 percent aqueous solution of sodium sulfate. Repeat the dispersion twice, using a 20-ml aliquot each time, and combine the acetonitrile in the separatory funnel.

Caution: the dispersion should be carried out in a fume hood to avoid exposure to acetonitrile.

3.2 Adjust the pH of the sodium sulfate acetonitrile solution with 6N NaOH to pH 11 or greater. Use multirange pH paper for the measurement. Extract the aqueous acetonitrile solution with 60 ml of hexane. Shake the separatory funnel for 2 min. Drain the aqueous layer into a 2-liter erlenmeyer flask and pour the hexane extract through a short column of prerinsed anhydrous sodium sulfate.

Collect the dried extract in a 500-ml Kuderna-Danish (K-D) flask fitted with a 10-ml ampul. Repeat the extraction and drying steps twice, combining the extracts. Evaporate the extract to 5 to 10 ml in a 500-ml K-D apparatus fitted with a 2-ball Snyder column and a 10-ml. Analyze by GC/MS. If additional sensitivity is required, add fresh boiling chips, attach a two-ball micro-Snyder column, and carefully evaporate to 1.0 ml or when active distillation ceases.

3.3 Return the aqueous acetonitrile solution to the separatory funnel and adjust the pH with 6N HCl to pH 2 or less. Extract three times with 60 ml of hexane each time. Combine the extracts, dry, and concentrate as described above. Analyze by GC/MS .

NOTE: Should the partition used in this procedure not sufficiently remove the lipid material, gel permeation can be employed. However, special expensive equipment is necessary for this procedure (6).

3.4 Standard quality assurance protocols should be employed, including blanks, duplicates, and dosed samples, as described in the "Analytical Quality Control Handbook" (7). Dosing can be accomplished by injecting 1 to 20 μl of a standard solution into the homogenized tissue contained in a centrifuge tube.

4. Reporting of Data

4.1 Report results in μg/kg on a wet tissue basis. Report all quality control data with the analytical results for the samples.

Analysis of Fish for Metals

1. Scope

1.1 This method is designed to determine in whole fish those priority pollutants listed in the Consent Decree (4) that are classified as heavy metals or considered toxic as they exist in their elemental form and associated compounds. The pollutants include antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc.

2. Summary of Method

2.1 The fish is prepared for analysis by being chopped into small pieces, homogenized in a blender with dry ice, and solubilized by either dissolution after dry ashing or a wet absorption - either direct aspiration, gaseous hydride, or a flameless technique - is used to measure the concentration of the pollutant.

3. Preservation and Handling

3.1 Although an aliquot of the ground fish as prepared under "Sample Handling" may be used for the metals determination, it may be more desirable to prepare an individual fish to avoid possible metal contamination from the grinder. Dust in the laboratory environment, impurities in reagents, and impurities on laboratory apparatus that the sample contacts are all sources of potential contamination. All glassware should be thoroughly washed with detergent and tap water, rinshed with 1:1 nitric acid, then tap water, and finally deionized distilled water.

NOTE: Chronic acid may be useful to remove organic deposits from glassware; however, the analyst should be cautioned that the glassware must be thoroughly rinsed with water to remove the last trace of chromium. This is especially important if chromium is to be included in the analytical scheme. A commercial product--NOCHROMIX--available from Godax Laboratories, 6 Yarick Street, New York, NY 10013, can be used in place of chromic acid.

4. Sample Homogenization

4.1 If a fish sample other than that prepared under "Sample Handling" is to be used for metals analyses, unwrap and weigh the frozen fish at the time of processing. Select a fish that weighs between 50 and 300 g. If an analysis is required for a fish > 300 g, a 50-g representative portion must be taken from the sample after it has been pretreated as described in "Sample Handling" on page 1 of this document and proceed to step 4.3.

4.2 After weighing, the fish should be chopped into approximately 1-in. or smaller chunks with a meat cleaver of a knife and mallet (2 to 3 lb). Smaller pieces ensure efficient grinding.

4.3 Place crushed or pelleted dry ice into the blender container. The weight of dry ice should be equal to, or greater than, the weight of the fish.

4.4 Turn on the blender for 10 sec to pulverize the ice and chill the blender.

4.5 Add the pieces of fish and blend at high speed until the mixture is homogeneous. This usually requires 2 to 5 min. Add more dry ice if needed.

4.6 Pour the homogenate into a plastic bag and close the bag with a rubber band. Do not seal the bag tightly to allow CO_2 to escape.

4.7 Place the bag in the freezer (-12°C for at least 16 hr) until ready to proceed with the digestion step.

NOTE: If desired, the blender blades can be modified in order to have the leading edge of the blades (the sharpened edge) turned down so that, as it rotates, the blade will throw the material upwards. Stainless steel blades may be a possible source of nickel and chromium contamination and should be noted if detected. If a tantalum blade is available, it should be substituted for the stainless steel.

The hole in the blender lid should be enlarged sufficiently to allow the evolved gas to escape (1/2 in. quart size, 1 in. gallon size). Hold a cloth or labwipe over this hole when blending to prevent loss of the sample material. A glove should be worn to prevent possible freezing of the skin by escaping gas.

5. Reagents

5.1 Deionized distilled water: prepare by passing distilled water through a mixed bed of cation and anion exchange resins. Use deionized distilled water for the preparation of all reagents and calibration standards and as dilution water.

5.2 Nitric acid (conc.): If metal impurities are present, distill reagent grade nitric acid in a borosilicate glass distillation apparatus.

5.3 Sulfuric acid, ACS grade (95.5% to 96.5%).

5.4 Sulfuric acid - 20% v/v solution. Carefully add 200 ml of concentrated H_2SO_4 to 500 ml of water. Cool and dilute to 1 liter with water.

5.5 Hydrochloric acid, ACS grade (37% to 38%).

5.6 Hydrogen peroxide, 50% stabilized ACS grade.

5.7 Dry ice (frozen carbon dioxide), pellet form preferred.

6. Apparatus

6.1 Blender, Waring, two-speed, stainless steel blade or tantalum blade if available, glass container capacity 1,000 ml, or equivalent equipment.

6.2 Drying oven - Controllable with the range of 100 to 150°C with less than $\pm$ 5°C variation. Check calibration of oven temperature control to ensure accurate ashing temperatures. Furnace must be operated in suitable fume hood.

6.3 Hot plate, controllable within the range of 80 to 400°C. Hot plate must be operated in fume hood.

7. Procedure

Except for mercury, which requires a cold vapor technique, the pollutants can be divided into two groups for continued processing.

Group I: Be, Cd, Cr, Cu, Pb, Ni, Ag, Tl, and Zn

Group II: As and Se

Group I is digested by a dry ashing process (11) with the use of an ashing aid; Group II is prepared utilizing a wet ashing process.

7.1 Group I - Metals

7.1.1 Remove the homogenized sample from the freezer and weigh approximately 10 g into a tared, 100 ml tall, form, Pyrex beaker. Subtract the beaker weight from the total and record the wet sample weight.

7.1.2 Add 25 ml of 20% sulfuric acid. Mix each sample thoroughly with a glass stirring rod ensuring all sample material is wetted by the acid. Rinse the stirring rod with water into the ashing vessel and cover the sample with a ribbed watch glass.

7.1.3 Dry the samples in an oven or furnace at 110 ± 5°C until a charred viscous sulfuric acid/sample residue remains. Usually 12 to 16 hr (overnight) is sufficient. Transfer the ashing vessels containing the dried samples to a cold, clean muffle furnace which is provided with good external ventilation (fume hood), ensuring that the sample remains covered during the transfer. Initially set the furnace at 125°C and increase the temperature approximately every hour in 50° increments up to 275°C. Hold the temperature at 275°C for 3 hr. Finally, increase the temperature to 450°C (at 50° per hour) and hold for 12 to 16 hr (overnight). Remove the covered ashing vessels from the furnace and allow to cool to room temperature in a clean, draft-free area.

7.1.4 After initial overnight ashing, some residual carbon may remain in the samples. Treat each sample ash with 0.5 ml of water and 1 ml of concentrated nitric acid (whether or not they are already white). Evaporate carefully just to dryness on a warm hotplate (in a fume hood). Place the ashing vessels (covered with watch glasses) in a cool muffle furnace and raise the temperature to 300°C and hold for exactly 30 min. Remove each covered sample ash from the furnace and allow to cool as before. If residual carbon remains, repeat the nitric acid treatment until a carbon-free white ash is obtained. The covered ashing vessels containing the ash may be stored in a dessicator or in a laminar flow clean hood.

NOTE: Copious carbon residues (i.e., black ashes) after overnight ashing may indicate inefficient or uneven heating within the furnace. Routine calibration of the furnace is advised.

7.1.5 Add 0.5 ml of nitric acid and 10 ml of water to each cool ashing vessel, then warm gently on a hotplate at 80 to 90°C for 5 to 10 min to effect dissolution of the ash. A small amount of insoluble white siliceous-like residue may remain undissolved; do not filter the residue because of the possibility of contamination. Quantitatively transfer the contents of each ashing vessel into a 100 ml volumetric flask, dilute to volume with water, and shake thoroughly. Allow any residue to settle to the bottom of the flask (about 2 hr). Do not shake the sample further before taking an aliquot. The sample is now ready for analysis.

NOTE: The presence of a precipitate other than the insoluble siliceous-like material may result in low or erratic results for Pb. Precipitate formation can result from heating the samples too long or at too high a temperature after nitric acid treatment of the ash. Precipitate formation must be avoided by maintenance of appropriate ashing temperatures.

7.1.6 The prepared sample should be analyzed by AA using either direct aspiration or furnace techniques. For a discussion of basic principles, the method of standard addition, the chelation/solvent extraction procedures, general instrumental operating parameters, and preparation of standards and calibration see the section on "Atomic Absorption Methods," pages 78-91, Reference 8, and the individual analyses sheets (on pages as listed below).

ELEMENT	Ag	Be	Cd	Cr	Cu	Ni	Pb	Sb	Tl	Zn
PAGE	146	99	101	105	108	151	112	94	149	155

7.1.7 Because of the adequate sensitivity by conventional flame AA and the expected concentration levels of cadmium, copper, and zinc in the sample, these three elements should be analyzed by direct aspiration. The furnace technique is preferred for the analysis of the other Group I metals because of their expected low concentrations. When using the furnace technique, the operating parameters and instructions as specified by the particular instrument manufacturer should be followed. If the concentration detected by the furnace procedure is beyond the working range of the standard curve, the sample should be either diluted and reanalyzed or analyzed by direct aspiration. The method of standard additions should be employed when needed. If the sample matrix is so complex that sample dilution followed by furnace analysis cannot be used, or if the use of the chelation/solvent extraction technique for concentration of Ag, Ni, Pb, and Tl is preferred, the procedure as described starting on page 89, Reference 8, should be utilized.

7.2 Group II - Metals

7.2.1 Remove the homogenized sample from the freezer and weigh approximately 5 g into a tared, 125-ml conical beaker. Subtract the beaker weight from the total and record the wet sample weight.

7.2.2 Add 5 ml of concentrated HNO_3. Then slowly add 6 ml of concentrated H_2SO_4 and cover with a watch glass.

7.2.3 Place beaker on hot plate and warm slightly. Continue heating until the mixture becomes dark or a possible reducing condition is evident. Do not allow the mixture to char. Remove beaker from hotplate and allow to cool.

NOTE: Remove beaker if foaming becomes excessive.

7.2.4 Add an additional 5 ml of concentrated HNO_3, cover with a watch glass, and return beaker to hot plate. Repeat Step 7.2.3.

7.2.5 When mixture again turns brown, cool and slowly add 5 ml of 50% hydrogen peroxide. Cover with watch glass and heat gently until the initial reaction has ceased. If the solution becomes dark, repeat the peroxide addition, several times if necessary, and heat to SO_3 fumes. If charring occurs, add further 1-ml portions of hydrogen peroxide until the fuming sulfuric acid remains colorless or very light yellow. (If at any stage it seems that the sulfuric acid may approach dryness, cool, add 2 to 3 ml of sulfuric acid and continue).

7.2.6 Cool, add 40 ml of concentrated HCl and dilute to 100 ml with deionized distilled water. The sample is now ready for analysis.

7.2.7 The Group II metals should be analyzed by AA using the gaseous hydride technique. The apparatus setup, standard preparation and calibration, and analysis procedure that is to be followed is given starting on page 159, Reference 8. From the prepared sample a 25-ml aliquot should be withdrawn and the analysis continued as described in Section 3.d, page 162, Reference 9.

8. Calculation

8.1 Using the values from the appropriate calibration curve calculate the concentration of each metal pollutant in the fish as follows:

If the concentration of standards in the calibration curve is plotted as mg/liter,

$$\mu g/g = \frac{\begin{matrix}\text{mg/liter of constituent} \\ \text{in prepared sample}\end{matrix} \times \begin{matrix}\text{volume of prepared} \\ \text{sample in ml}\end{matrix}}{\text{weight of wet sample in g}}$$

If the concentration of standards in the calibration curve is plotted as g/liter,

$$\text{g/g} = \frac{\dfrac{\text{g/liter of constituent in prepared sample} \times \text{volume of prepared sample in ml}}{1{,}000}}{\text{weight of wet sample in g}}$$

9. Quality Assurance

9.1 Standard quality assurance protocols should be employed, including blanks, duplicates, and dosed samples, as described in the "Analytical Quality Control Handbook". (7)

9.2 Report all quality control data when reporting results of sample analyses.

Analysis of Fish for Mercury

1. Scope and Application

1.1 This method is used for determination of total mercury (organic and inorganic) in fish. A weighed portion of the sample is digested with sulfuric and nitric acid at 58°C followed by overnight oxidation with potassium permanganate at room temperature. Mercury is subsequently measured by the conventional cold vapor technique.

1.2 The range of the method is 0.2 to 5 µg/g but may be extended above or below the normal instrument and recorder control.

2. Sample Preparation

2.1 The sample may be prepared as described under "Sample Handling" or the special metal procedure may be used. A 0.2 to 0.3 g portion should be taken for each analysis. The sample should not be allowed to thaw before weighing.

3. Preparation of Calibration Curve

3.1 The calibration curve is prepared from values for portions of spiked fish tissue treated in the manner used for the tissue samples being analyzed. For preparation of the calibration standards, choose a 5-g portion of fish and blend in a Waring blender.

3.2 Remove equal and accurately weighed portions (0.2 g) with a spatula and transfer to each of six dry BOD bottles. Add 4 ml of concentrated H_2SO_4 and 1 ml of concentrated HNO_3 and 58°C until the tissue is completely dissolved (30 to 60 min).

3.3 Cool and transfer 0, 0.5, 1.0, 2.0, 5.0 and 10.0 ml aliquots of the working mercury solution containing 0 to 1.0 µg of mercury to the BOD bottles. Cool to 4°C in an ice bath and cautiously add 15 ml of potassium permanganate solution. Allow to stand overnight at room temperature under oxidizing conditions.

3.4 Add enough distilled water to bring the total volume to approximately 125 ml. Add 6 ml of sodium chloride-hydroxylamine sulfate solution to reduce the excess permanganate.

3.5 Wait at least 30 sec after the addition of hydroxylamine. Treating each bottle individually, add 5 ml of the stannous sulfate solution and immediately attach the bottle to the aeration apparatus.

3.6 Continue with the procedure as given on page 121, Reference 8. The calibration curve is prepared by plotting the peak height versus the mercury concentration. The peak height of the blank is subtracted from each of the other values.

4. Sample Procedure

4.1 Weight 0.2 to 0.3 portions of the sample and place in the bottom of a dry BOD bottle. Care must be taken that none of the sample adheres to the side of the bottle. Add 4 ml of concentrated H_2SO_4 and 1 ml of concentrated HNO_3 and place in water bath maintained at 58°C until the tissue is completely dissolved (30 to 60 min).

4.2 Cool to 4°C in an ice bath and cautiously add 5 ml of potassium permanganate solution in 1 ml increments. Add an additional 10 ml or more of permanganate, as necessary to maintain oxidizing conditions. Allow to stand overnight at room temperature (see NOTE). Continue as described under 3.4.

NOTE: As an alternate to the overnight digestion, the solubilization of the tissue may be carried out in a water bath at 80°C for 80 min. The sample is then cooled and 15 ml of potassium permanganate solution added cautiously. At this point the sample is returned to the water bath and digested for an additional 90 min at 80°C (10). If this method is followed, the calibration standards must also be treated in this manner. Continue as described under 3.4.

5. Calculation

5.1 Measure the peak height of the unknown from the chart and read the mercury value from the standard curve.

5.2 Calculate the mercury concentration in the sample by the formula

$$\text{Hg } \mu g/g = \frac{\mu g \text{ Hg in aliquot}}{\text{wt. of aliquot in g}}$$

5.3 Report mercury concentrations as follows:

Below 0.1 μg/g, < 0.1 μg; between 0.1 and 1 μg/g, to nearest 0.01 μg; between 1 and 10 μg/g, to nearest 0.1 μg; above 10 μg/g, to nearest μg.

6. Quality Assurance

6.1 Standard quality assurance protocols should be employed including blanks, duplicates and spiked samples as described in the "Analytical Quality Control Handbook." (7)

6.2 Report all quality control data when reporting results of sample analyses.

7. Precision and Accuracy

7.1 The following standard deviations on replicate fish samples were recorded at the indicated levels: 0.19 μg/g ± 0.02, 0.75 μg/g ± 0.05, and 2.1 μg/g ± 0.06. The coefficients of variation at these levels were 11.9%, 7.0%, and 3.6%, respectively. Recovery of mercury at these levels, added as methyl mercuric chloride, was 112%, 93%, and 86%, respectively.

Analysis of Sediments for Metals
(Sb, Be, Cd, Cr, Cu, Pb, Ni, Ag, Tl, and Zn)

1. Scope and Application

1.1 This method is designed to determine those priority pollutants in sediments as listed in the Consent Decree (4) that are classified as heavy metals or considered toxic as they exist in their elemental form and associated compounds. The pollutants include antimony, beryllium, cadmium, chromium, copper, lead, nickel, silver, thallium, and zinc.

2. Summary of Method

2.1 The sediment is prepared for analysis by drying and grinding the sample. A representative portion is subjected to a wet oxidation-digestion after which, atomic absorption - either direct aspiration or a flameless technique - is used to measure the concentration of the pollutant.

2.2 For a discussion of basic principles, general operating parameters, preparation of standards and calibration, and the method of standard addition, the reader is referred to "Methods for Chemical Analysis of Water and Wastes" (8), pages 78-91, and the individual analyses sheets as follow:

Element	Ag	Be	Cd	Cr	Cu	Ni	Pb	Sb	Tl	Zn
Page	146	99	101	105	108	141	112	94	149	155

3. Preservation and Handling

3.1 The sample should be stored at 4°C if the analysis can be carried out within 7 days of collection. For longer periods the samples should be frozen. An alternative is to dry the sample as soon as possible, grind it with a mortar and pestle removing rocks, sticks, and other foreign objects and store the sediment in a vial or other suitable container.

3.2 Dust in the laboratory environment, impurities in reagents and impurities on laboratory apparatus which the sample contacts, are all sources of potential contamination. All glassware should be thoroughly washed with detergent and tap water, rinsed with 1:1 nitric acid, tap water, and finally deionized distilled water in that order. NOTE: Chromic acid may be useful to remove organic deposits from glassware; however, the analyst should be cautioned that the glassware must be thoroughly rinsed with water to remove the last trace of chromium. This is especially important if chromium is to be included in the analytical scheme. A commercial product--NOCHROMIX--available from Godax Laboratories, 6 Yarick, New York, NY 10013, can be used in place of chromic acid.

4. Sample Preparation

4.1 Dry a representative portion of the well mixed sample (10 to 25 g) at 60°C until all moisture has been removed.

4.2 Grind the dry sample with a mortar and pestle, removing sticks, stones, and other foreign material. Store the sample in glass or plastic vials removing aliquots as needed.

5. Procedure

5.1 Weight 1.00 g of the well mixed sediment into a 250 ml Erlenmeyer flask and add 50 ml deionized water, 0.5 ml HNO_3 (sp. gr. 1.42) and 5 ml of HNO_3 (sp. gr. 1.10) to each flask.

5.2 Heat the samples, blanks and standards on a hot plate maintained at approximately 95°C until the volume has been reduced to 15 to 20 ml, making certain that the samples do not boil.

5.3 Cool and clarify the sample by centrifugation or by filtration through Whatman No. 42 filter paper or equivalent.

5.4 Dilute the sample to 100 ml or some appropriate volume based on the concentration present.

5.5 Proceed with the appropriate method for the atomic absorption analysis of the metals of interest using either direct aspiration or furnace techniques.

5.5.1 Because of the adequate sensitivity for copper and zinc by direct aspiration AA and the probable concentration levels of those two metals in sediments, direct aspiration should be employed. The furnace technique is preferred for the determination of the remaining metals because of their expected low concentration. When using the furnace technique, the operating parameters and instructions as specified by the particular instrument manufacturer should be followed. If the concentration detected by the furnace procedure is above the working range of the standard curve, the sample should be either diluted and reanalyzed or analyzed by direct aspiration. The method for standard additions should be employed when needed.

6. Calculation

6.1 From the values read off the appropriate calibration curve, calculate the concentration of each metal pollutant in the sediment as follows:

$$\text{mg/kg} = \frac{\dfrac{\text{mg/liter of constituent}}{\text{prepared sample}} \times \dfrac{\text{volume of prepared}}{\text{sample in ml}}}{\text{weight of dry sample in g}}$$

7. Quality Assurance

7.1 Standard quality assurance protocols should be employed, including blanks, duplicates, and spiked samples as described in the "Analytical Quality Control Handbook." (7)

7.2 Report all quality control data when reporting results of sample analyses.

Analysis of Sediment for Mercury

1. Scope and Application

1.1 This method is used for the determination of total mercury (organic and inorganic) in sediment. A weighed portion of the sample is digested with aqua regia for 2 min at 95°C followed by oxidation with potassium permanganate. Mercury is subsequently measured by the cold vapor technique.

1.2 The range of the method is 0.2 to 5 μg/g but may be extended above or below the normal range by increasing or decreasing sample size or through instrument and recorder control.

1.3 For a complete description of the method the reader is referred to "Methods for Chemical Analysis if Water and Waste" (8), pages 134-138.

2. Sample Preparation

2.1 Although a wet sample may be taken for analysis, a dry sample provides for ease of handling, better homogeneity, and better storage.

3. Preparation of Calibration Curve

3.1 The calibration curve is prepared using distilled water standards, treated in the same manner as the sediment samples being analyzed. The calibration procedure is described on p. 136, Reference 8.

3.2 The calibration curve is prepared by plotting the peak height versus the mercury concentration. The peak height of the blank is subtracted from each of the other values.

4. Sample Procedure

4.1 Weigh 0.2 to 0.3 g portions of the dry sample and place in the bottom of a BOD bottle. (If a wet sample is to be analyzed a proportionately larger sample must be taken.) Add 5 ml of distilled water and 5 ml of aqua regia and place the bottle in a water bath maintained at 95°C for 2 min.

4.2 Cool, add 50 ml distilled water, 15 ml of potassium permanganate solution and return the bottle to the water bath for an additional 30 min. Add additional $KMnO_4$, as necessary, to maintain oxidizing conditions.

4.3 Continue with the procedure as described in step 8.1, Reference 8.

5. Calculation

5.1 Measure the peak height of the unknown from the chart and read the mercury value from the standard curve.

5.2 Calculate the mercury concentration in the sample by the formula

$$\mu g\ Hg/g = \frac{\mu g\ Hg\ in\ aliquot}{wt.\ of\ aliquot\ in\ g}$$

5.3 Report mercury concentrations on a dry weight basis as follows:

Below 0.1 µg/g, < 0.1 µg; between 0.1 and 1 µg/g, to nearest 0.01 µg; between 1 and 10 µg/g, to nearest 0.1 µg; above 10 µg/g, to nearest µg.

6. Quality Assurance

6.1 Standard quality assurance protocols should be employed, including blanks, duplicates and spiked samples, as described in the "Analytical Quality Control Handbook." (7)

7. Precision and Accuracy

7.1 The following standard deviations on replicate sediment samples were recorded by a single operator at the indicated levels: 0.29 µg/g ± 0.02 and 0.82 µg/g ± 0.03. Recovery of mercury at these levels, added as methyl mercuric chloride, was 97% and 94%, respectively.

Analysis of Sediment for Arsenic and Selenium

1. Scope and Application

1.1 This method is to be used for the determination of arsenic and selenium in sediment. A weighed portion of the wet, well-mixed sediment is digested with HNO_3 and H_2SO_4 followed by treatment with H_2O_2. Arsenic and selenium are subsequently determined by the gaseous hydride technique.

1.2 The range of the method is ___ to ___ µg/g* but may be extended by varying the sample size.

2. Sample Preparation

2.1 The analysis should be performed on a wet, well-mixed sample.

3. Preparation of Calibration Curve

3.1 The calibration curve is prepared using distilled water standards, treated in the same manner as the samples being analyzed.

4. Procedure

4.1 Weigh approximately 5 g of the wet, well0mixed sediment into a tared 125 ml conical beaker.

4.2 Add 5 ml of concentrated HNO_3. Then slowly add 6 ml of concentrated H_2SO_4 and cover with a watch glass.

4.3 Place the beaker on hot plate and warm slightly. (NOTE: Remove beaker if foaming becomes excessive.) Continue heating until the mixture becomes dark or a possible reducing condition is evident. Do not allow the mixture to char. Remove the beaker from the hot plate and allow to cool.

4.4 Add an additional 5 ml of concentrated HNO_3, cover with a watch glass, and return beaker to hot plate. Repeat step 4.3.

4.5 When mixture again turns brown, cool, and slowly add 5 ml of 50% hydrogen peroxide. Cover with watch glass and heat gently until the initial reaction has ceased. If the solution becomes dark, repeat the peroxide addition, several times if necessary, and heat to SO_3 fumes. If charring occurs, add additional 1 ml portions of hydrogen peroxide until the fuming sulfuric acid remains colorless or very light yellow. (If at any stage the sulfuric acid approaches dryness, cool, add 2 to 3 ml of additional sulfuric acid, and continue.)

---

* This omission occurred in the original document.

4.6 Cool, add 40 ml of concentrated HCl and dilute to 100 ml with deionized distilled water. The sample is now ready for analysis by the gaseous hydride technique.

4.7 The apparatus setup, standard preparation and calibration, and analytical procedure to be followed is given beginning on page 159, Reference 9. A 25 ml aliquot should be withdrawn from the prepared sample and the analysis continued as described in section 3.d, page 162, Reference 9.

5. Calibration

5.1 Calculate the concentration of arsenic and selenium present in mg/kg on a dry weight basis.

6. Quality Assurance

Standard quality assurance protocols should be employed, including blanks, duplicates, and spiked samples as described in the "Analytical Quality Control Handbook." (7)

APPENDIX B

COMPUTER PROGRAMS

Update
Status
Inquire

```
05/02/79   17:19   UPDATE

 100 DIM F$(60),D$(60),E$(60),T(60),I$(3),T$(5),Z$(5),A$(900),A(900,2),O$(5),P$(4)
 110 PRINT 'ENTER FILE PASSWORD';
 120 INPUT Q$
 130 FP$=Q$
 140 REM-----READ FILE NAMES-----
 150 OPEN 1,'*FILNAMES',INPUT
 160 N1=0          !# OF FILES IN FILNAMES
 170 ON EOF 1 GO TO 210
 180 N1=N1+1
 190 GET 1:F$(N1),D$(N1),E$(N1),T(N1)
 200 GO TO 180
 210 N1=N1-1
 220 CLOSE 1
 230 T$(1)='VOLATILES'
 240 T$(2)='PHTHALATES'
 250 T$(3)='METALS'
 260 T$(4),T$(5)='SAMPLE CODES ONLY'
 270 Z$(1)='='
 280 Z$(2)='>'
 290 Z$(3)='<'
 300 Z$(4)='ND'
 310 Z$(5)='OB'
 320 O$(1)='CREATE'
 330 O$(2)='FILES'
 340 O$(3)='PRINT'
 350 O$(4)='EDIT'
 360 O$(5)='STOP'
 370 P$(1)='DELETE'
 380 P$(2)='CHANGE'
 390 P$(3)='ADD'
 400 P$(4)='SAVE'
 410 PRINT
 420 PRINT 'THE FOLLOWING OPTIONS ARE AVAILABLE:'
 430 PRINT '   CREATE -- CREATE A NEW FILE'
 440 PRINT '   FILES --- LIST OF ALL EXISTING FILE NAMES'
 450 PRINT '   PRINT --- PRINT THE CONTENTS OF A FILE'
 460 PRINT '   EDIT ---- EDIT OR UPDATE A FILE'
 470 PRINT '   STOP ---- NO MORE OPTIONS DESIRED. STOP PROCESSING'
 480 PRINT
 490 PRINT 'ENTER OPTION (CREATE, FILES, PRINT, EDIT, OR STOP)';
 500 INPUT A$
 510 FOR I=1 TO 5
 520 IF A$=O$(I) THEN 560
 530 NEXT I
 540 PRINT 'UNACCEPTABLE OPTION. RE-';
 550 GO TO 490
 560 O1=I
 570 GO TO 590,1310,1550,2440,580 ON O1
 580 STOP
 590 PRINT '*****OPTION ''CREATE'' - CREATE A NEW FILE*****'
 600 PRINT
 610 PRINT 'ENTER NAME OF FILE TO BE CREATED';
 620 INPUT F$
 630 FOR I=1 TO N1
 640 IF F$=F$(I) THEN 670
 650 NEXT I
 660 GO TO 770      !FILE NAME DOES NOT EXIST IN *FILNAMES
 670 PRINT 'THIS FILE, ';F$;', ALREADY EXISTS'
 680 PRINT 'DO YOU WISH TO CREATE THIS FILE WITH A DIFFERENT NAME (Y OR N)';
 690 INPUT A$
 700 IF STR(A$,1,1)='Y' THEN 600
 710 OPEN 1,'*FILNAMES',OUTPUT
 720 FOR I=1 TO N1
 730 PUT 1:F$(I),D$(I),E$(I),T(I)
 740 NEXT I
 750 CLOSE 1
 760 GO TO 480
 770 ON OPENERR GO TO 820
 780 OPEN 1,F$,INPUT
 790 ON OPENERR SYSTEM
 800 CLOSE 1
 810 GO TO 670      !FILE EXISTS BUT NOT LISTED IN *FILNAMES
 820 PRINT 'ENTER DESCRIPTIVE TITLE FOR ';F$
 830 ON ERROR GO TO 900
 840 PRINT '  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX'
 850 I$(1),I$(2)=' '
 860 INPUT TXT(I$(1))
 870 STR(I$(1),&TXT,1)=' '
 880 IF &TXT>36 THEN 900
 890 GO TO 940
 900 ON ERROR SYSTEM
 910 PRINT 'TOO MANY CHARACTERS IN DESCRIPTIVE TITLE.'
 920 PRINT 'RE-';
 930 GO TO 820
 940 PRINT 'THE FOLLOWING FILE TYPES ARE ACCEPTABLE:'
 950 PRINT '  1 - VOLATILES'
 960 PRINT '  2 - PHTHALATES'
 970 PRINT '  3 - METALS'
 980 PRINT '  4 - FILES CONTAINING ONLY SAMPLE CODES'
 990 PRINT
1000 ON ERROR SYSTEM
1010 PRINT 'ENTER FILE TYPE NUMBER FOR FILE ';F$;' (1 - 4)';
1020 INPUT T
1030 GO TO 1060,1060,1060,1060 ON T
1040 PRINT 'UNACCEPTABLE FILE TYPE NUMBER. RE-';
1050 GO TO 1010
1060 REM-----ALL DATA SUCCESSFULLY ENTERED FOR FILE F$-----
1070 Z1=T+1
1080 FOR I=1 TO N1 !FIND FIRST FILE OF TYPE T+1
1090 IF T(I)=Z1 THEN 1110
1100 NEXT I
1110 N2=I           !FIRST FILE OF TYPE T+1
1120 FOR I=N1 TO N2 STEP -1  !MOVE FILE NAMES DOWN
1130 F$(I+1)=F$(I)
1140 D$(I+1)=D$(I)
1150 E$(I+1)=E$(I)
```

```
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1160 T(I+1)-T(I)
1170 NEXT I
1180 F$(N2)-F$
1190 D$(N2)-I$(1)
1200 E$(N2)-I$(2)
1210 T(N2)-T
1220 COM 'FILE ',F$,' ',Q$
1230 COM 'POOL *',F$,',0'
1240 N1-N1+1
1250 PRINT 'FILE ';F$;' HAS BEEN CREATED'
1260 PRINT
1270 PRINT 'DO YOU WISH TO CREATE ANOTHER FILE (Y OR N)';
1280 INPUT A$
1290 IF STR(A$,1,1)-'Y' THEN 600
1300 GO TO 710
1310 PRINT '*****OPTION ''FILES'' - LIST OF ALL EXISTING FILE NAMES*****'
1320 I$(1)-FET('TIME')
1330 I$(2)-FET('DATE')
1340 PAUSE 'POSITION PAPER AT TOP OF PAGE AND HIT CARRIAGE RETURN'
1350 FOR I-1 TO 4
1360 PRINT
1370 NEXT I
1380 :EXISTING DATA FILES AS OF #####, ###################
1390 :FILE NAME DESCRIPTION                                    TYPE
1400 :#########  ######################&&&&&&&&&&&&&&&&&&&& #####################
1410 PRINT USING 1380,I$(1),I$(2)
1420 PRINT
1430 PRINT USING 1390
1440 FOR I-1 TO N1
1450 PRINT USING 1400,F$(I),D$(I),E$(I),T$(T(I))
1460 NEXT I
1470 L-63-N1
1480 I$(1),I$(2),I$(3)-' '
1490 I$(1)-HEX(37)
1500 FOR I-2 TO L
1510 STR(I$(1),I,1)-STR(I$(1),I-1,1)
1520 NEXT I
1530 PRINT I$(1);I$(2);I$(3);
1540 GO TO 480
1550 PRINT '*****OPTION ''PRINT'' - PRINT THE CONTENTS OF A FILE*****'
1560 PRINT
1570 PRINT 'ENTER FILE NAME';
1580 INPUT F$
1590 FOR I-1 TO N1
1600 IF F$-F$(I) THEN 1670
1610 NEXT I
1620 PRINT 'FILE ';F$;' DOES NOT EXIST.'
1630 PRINT 'DO YOU WISH TO ENTER ANOTHER FILE NAME FOR LISTING (Y OR N)';
1640 INPUT A$
1650 IF STR(A$,1,1)-'Y' THEN 1560
1660 GO TO 480
1670 STR(G$,2,17)-STR(F$,1,17)
1680 STR(G$,1,1)-'*'
```

```
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1690 OPEN 1,G$,INPUT
1700 ON EOF 1 GO TO 1750
1710 GET 1:A$
1720 IF A$=' ' THEN 1750
1730 RESET 1
1740 GO TO 1780
1750 PRINT 'FILE ';F$;' CONTAINS NO DATA'
1760 CLOSE 1
1770 GO TO 2300
1780 D$=D$(I)
1790 E$=E$(I)
1800 T=T(I)          !TYPE OF FILE
1810 PRINT 'ENTER EARLIEST DATE TO BE LISTED (MONTH-DAY, 3 DIGITS, EG: 501)';
1820 INPUT H$
1830 I$(1)=FET('TIME')
1840 I$(2)=FET('DATE')
1850 PAUSE 'POSITION PAPER AT TOP OF PAGE AND HIT CARRIAGE RETURN'
1860 P=0 !PAGE #
1870 P=P+1
1880 FOR I=1 TO 4
1890 PRINT
1900 NEXT I
1910 PRINT 'CONTENTS OF FILE ';F$;' (';D$;E$;') AS OF ';
1920 PRINT USING 1930,I$(1),I$(2),P
1930 :#####, ################  PAGE ##
1940 PRINT
1950 L=7
1960 IF T>=4 THEN 2340
1970 PRINT USING 1980
1980 :SAMPLE CODE    VALUE
1990 :    #########  ## &&&,&&&,&&&.&
2000 :    #########
2010 ON EOF 1 GO TO 2200
2020 GET 1:A$,B,C
2030 IF A$>=H$ THEN 2050
2040 GO TO 2020
2050 Z$=STR(A$,7,1)
2060 IF Z$<='B' THEN 2090
2070 IF Z$>='1' THEN 2090
2080 GO TO 2140
2090 PRINT USING 1990,A$,Z$(B),C
2100 L=L+1
2110 IF L=64 THEN 2170
2120 GET 1:A$,B,C
2130 GO TO 2050
2140 PRINT USING 2150,A$,B,C
2150 :    #########  %RECOVERY=&,&&&.& SPIKE LEVEL=&,&&&.&
2160 GO TO 2100
2170 PRINT
2180 PRINT
2190 GO TO 1870
2200 L=70-L
2210 I$(1),I$(2),I$(3)=' '
```

```
05/02/79   17:19   UPDATE

 2220 I$(1)=HEX(37)
 2230 IF L<=54 THEN 2250
 2240 L=54
 2250 FOR I=2 TO L
 2260 STR(I$(1),I,1)=STR(I$(1),I-1,1)
 2270 NEXT I
 2280 PRINT I$(1);I$(2);I$(3);
 2290 CLOSE 1
 2300 PRINT 'DO YOU WISH TO LIST ANOTHER FILE (Y OR N)';
 2310 INPUT A$
 2320 IF STR(A$,1,1)='Y' THEN 1560
 2330 GO TO 480
 2340 PRINT 'SAMPLE CODE'
 2350 ON EOF 1 GO TO 2200
 2360 GET 1:A$
 2370 IF A$>=H$ THEN 2390
 2380 GO TO 2360
 2390 PRINT USING 2000,A$
 2400 L=L+1
 2410 IF L=64 THEN 2170
 2420 GET 1:A$
 2430 GO TO 2390
 2440 PRINT '*****OPTION ''EDIT'' - EDIT OR UPDATE A FILE*****'
 2450 PRINT
 2460 PRINT 'ENTER FILE NAME TO BE EDITED (OR 0 TO TERMINATE EDIT OPTION)';
 2470 INPUT F$
 2480 IF F$='0' THEN 480
 2490 FOR I=1 TO N1
 2500 IF F$=F$(I) THEN 2570
 2510 NEXT I
 2520 PRINT 'FILE ';F$;' DOES NOT EXIST.'
 2530 PRINT 'DO YOU WISH TO SELECT ANOTHER FILE NAME FOR EDITING (Y OR N)';
 2540 INPUT A$
 2550 IF STR(A$,1,1)='Y' THEN 2450
 2560 GO TO 480
 2570 STR(G$,2,17)=STR(F$,1,17)
 2580 STR(G$,1,1)='*'
 2590 D$=D$(I)
 2600 E$=E$(I)
 2610 T=T(I)
 2620 OPEN 1,G$,OUTPUT         !CHECK TO SEE IF G$ CAN BE UPDATED BY CURRENT OPERATOR
 2630 CLOSE 1
 2640 OPEN 1,G$,INPUT
 2650 ON EOF 1 GO TO 2740
 2660 I=0
 2670 IF T>=4 THEN 2710        !TYPE 4 & 5 FILES
 2680 I=I+1
 2690 GET 1:A$(I),A(I,1),A(I,2)
 2700 GO TO 2680
 2710 I=I+1
 2720 GET 1:A$(I)
 2730 GO TO 2710
 2740 CLOSE 1
```

```
2750 N9=I-1          !# OF RECORDS IN FILE G$
2760 IF N9<>1 THEN 2790
2770 IF A$(1)<>' ' THEN 2790
2780 N9=0            !NO DATA IN FILE
2790 PRINT 'FILE ';F$;' IS READY FOR EDITING'
2800 PRINT
2810 PRINT 'THE FOLLOWING EDIT CODES ARE AVAILABLE:'
2820 PRINT '  DELETE - DELETE A SAMPLE CODE AND DATA'
2830 PRINT '  CHANGE - CHANGE SELECTED DATA FOR A SAMPLE CODE'
2840 PRINT '  ADD ---- ADD A SAMPLE CODE AND DATA TO THE FILE'
2850 PRINT '  SAVE --- SAVE THE EDITED FILE'
2860 PRINT
2870 PRINT 'NOTE:  TO CHANGE A SAMPLE CODE, YOU MUST DELETE THE CODE (DELETE) AND THEN RE-ENTER'
2880 PRINT '       THE DATA USING THE NEW SAMPLE CODE (ADD).'
2890 PRINT
2900 PRINT 'AFTER ALL EDITING IS COMPLETE, YOU MUST USE THE ''SAVE'' COMMAND TO SAVE THE EDITED FILE'
2910 PRINT
2920 PRINT
2930 IF N9<>0 THEN 2960
2940 PRINT 'SINCE FILE ';F$;' CONTAINS NO DATA, YOU MAY ONLY CHOOSE EDIT CODE ''ADD'' AT THIS TIME.'
2950 PRINT 'IF YOU CHOOSE ANY OTHER EDIT CODE, YOU WILL BE ASKED TO SELECT ANOTHER FILE'
2960 PRINT 'ENTER EDIT OPTION (DELETE, CHANGE, ADD, OR SAVE)';
2970 INPUT A$
2980 FOR I=1 TO 4
2990 IF A$=P$(I) THEN 3040
3000 NEXT I
3010 IF N9=0 THEN 2450
3020 PRINT 'UNACCEPTABLE EDIT CODE. RE-';
3030 GO TO 2960
3040 E=I
3050 IF N9<>0 THEN 3070
3060 IF E<>3 THEN 2450
3070 GO TO 3080,3730,4100,4790 ON E
3080 PRINT '*****EDIT OPTION ''DELETE'' - DELETE A SAMPLE CODE*****'
3090 PRINT
3100 IF N9<>0 THEN 3130
3110 PRINT 'ALL SAMPLE CODES HAVE BEEN DELETED AND FILE ';F$;' WILL NOW BE SAVED'
3120 GO TO 4800
3130 PRINT 'ENTER SAMPLE CODE TO DELETE (OR 0 TO TERMINATE DELETIONS)';
3140 INPUT S$
3150 IF S$='0' THEN 2920
3160 C$=S$
3170 GOSUB 5130     !FIND SAMPLE CODE
3180 IF I2=0 THEN 3090
3190 IF T<=3 THEN 3290
3200 REM-----ONLY SAMPLE CODES IN FILE-----
3210 PRINT 'DELETE THIS SAMPLE CODE (';S$;') (Y OR N)';
3220 INPUT A$
3230 IF STR(A$,1,1)='Y' THEN 3260
3240 PRINT 'NOT DELETED'
3250 GO TO 3090
3260 GOSUB 5060
3270 PRINT 'DELETED'
```

```
3280 GO TO 3090
3290 I=N5
3300 GOSUB 4990     !CHECK TYPE CODE
3310 IF #<>1 THEN 3460         !MORE THAN ONE CODE
3320 IF I1=2 THEN 3360         !TYPE C,D,E
3330 PRINT USING 3340,A$(I),Z$(A(I,1)),A(I,2)
3340 :SAMPLE ######### ## &&&,&&&,&&&.&
3350 GO TO 3380
3360 PRINT USING 3370,A$(I),A(I,1),A(I,2)
3370 :SAMPLE ######### %RECOVERY=&,&&&.& SPIKE LEVEL=&,&&&.&
3380 PRINT 'DELETE (Y OR N)';
3390 INPUT A$
3400 IF STR(A$,1,1)='Y' THEN 3430
3410 PRINT 'NOT DELETED'
3420 GO TO 3090
3430 A$(N5)=' '
3440 PRINT 'DELETED'
3450 GO TO 3630
3460 IF I1=2 THEN 3510         !TYPE C,D,E
3470 FOR I=N5 TO N6
3480 PRINT USING 3890,I-N5+1,A$(I),Z$(A(I,1)),A(I,2)
3490 NEXT I
3500 GO TO 3540
3510 FOR I=N5 TO N6
3520 PRINT USING 3920,I-N5+1,A$(I),A(I,1),A(I,2)
3530 NEXT I
3540 FOR I=N5 TO N6
3550 PRINT 'DELETE ENTRY NO.';I-N5+1;'(Y OR N)';
3560 INPUT A$
3570 IF STR(A$,1,1)='Y' THEN 3600
3580 PRINT 'NOT DELETED'
3590 GO TO 3620
3600 A$(I)=' '
3610 PRINT 'DELETED'
3620 NEXT I
3630 L=N5-1          !LAST ARRAY ELEMENT FILLED
3640 FOR I=N5 TO N9          !MOVE UP NON-BLANK RECORDS
3650 IF A$(I)=' ' THEN 3700
3660 L=L+1
3670 A$(L)=A$(I)
3680 A(L,1)=A(I,1)
3690 A(L,2)=A(I,2)
3700 NEXT I
3710 N9=L            !NEW VALUE FOR # OF RECORDS
3720 GO TO 3090
3730 PRINT '*****EDIT OPTION ''CHANGE'' - CHANGE SELECTED DATA FOR A SAMPLE CODE*****'
3740 IF T<4 THEN 3770
3750 PRINT 'THIS FILE (';F$;') CONTAINS SAMPLE CODES ONLY. THERE IS NO DATA TO CHANGE!!!'
3760 GO TO 2920
3770 PRINT 'ENTER SAMPLE CODE (OR 0 TO TERMINATE CHANGES)';
3780 INPUT S$
3790 IF S$='0' THEN 2920
3800 C$=S$
```

```
3810 GOSUB 5130
3820 IF I2-0 THEN 3770
3830 I-N5
3840 GOSUB 4990     !IF I1-2, TYPE-C,D,OR E
3850 IF #-1 THEN 3950
3860 FOR I-N5 TO N6
3870 IF I1-2 THEN 3910
3880 PRINT USING 3890,I-N5+1,A$(I),Z$(A(I,1)),A(I,2)
3890 :ENTRY NO. ## SAMPLE ######### ## &&&,&&&,&&&.&
3900 GO TO 3930
3910 PRINT USING 3920,I-N5+1,A$(I),A(I,1),A(I,2)
3920 :ENTRY NO. ## SAMPLE ######### %RECOVERY-&,&&&.& SPIKE LEVEL-&,&&&.&
3930 NEXT I
3940 GO TO 3990
3950 IF I1-2 THEN 3980
3960 PRINT USING 3340,A$(N5),Z$(A(N5,1)),A(N5,2)
3970 GO TO 3990
3980 PRINT USING 3370,A$(N5),A(N5,1),A(N5,2)
3990 IF #<>1 THEN 4030
4000 I-N5
4010 GOSUB 5810
4020 GO TO 3770
4030 FOR I-N5 TO N6
4040 PRINT 'ANY CHANGES FOR ENTRY NO.';I-N5+1;'(Y OR N)';
4050 INPUT A$
4060 IF STR(A$,1,1)<>'Y' THEN 4080
4070 GOSUB 5810
4080 NEXT I
4090 GO TO 3770
4100 PRINT '*****EDIT OPTION ''ADD'' - ADD A SAMPLE CODE AND DATA TO THE FILE*****'
4110 PRINT
4120 PRINT 'ENTER SAMPLE CODE TO ADD (OR 0 TO TERMINATE ADDITIONS)';
4130 INPUT N$       !NEW SAMPLE CODE
4140 IF N$-'0' THEN 2920
4150 GOSUB 5320     !CHECK FOR VALID CODE
4160 IF I3<>0 THEN 4110
4170 IF T<-3 THEN 4350
4180 REM-----ROUTINE FOR FILES WITH SAMPLE CODES ONLY-----
4190 C$-N$
4200 GOSUB 5130     !CHECK IF IN FILE
4210 IF I2-0 THEN 4240
4220 PRINT 'YOU MAY NOT HAVE TWO IDENTICAL SAMPLE CODES IN FILE ';F$
4230 GO TO 4110
4240 GOSUB 6110     !FIND LOCATION FOR CODE N$
4250 PRINT 'SAMPLE CODE ';N$;' HAS BEEN ADDED TO FILE ';F$
4260 IF L<>N9+1 THEN 4300
4270 A$(N9+1)-N$
4280 N9-N9+1
4290 GO TO 4110
4300 FOR I-N9 TO L STEP -1
4310 A$(I+1)-A$(I)
4320 NEXT I
4330 A$(L)-N$
```

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4340 GO TO 4280
4350 REM-----ROUTINE FOR TYPE 1,2,&3 FILES-----
4360 I=N9+1
4370 A$(I)=N$
4380 GOSUB 4990
4390 L$=STR(N$,7,1)
4400 PRINT 'SINCE TYPE CODE=';L$;', YOU MUST ENTER ';
4410 IF I1=2 THEN 4440
4420 PRINT 'BOOLEAN AND CONCENTRATION'
4430 GO TO 4450
4440 PRINT '%RECOVERY AND SPIKE LEVEL'
4450 PRINT 'DO YOU WANT TO DO THIS (Y OR N)';
4460 INPUT A$
4470 IF STR(A$,1,1)<>'Y' THEN 4110
4480 IF I1=2 THEN 4760
4490 PRINT 'ENTER BOOLEAN AND PPB CONCENTRATION (EG: =151)';
4500 INPUT A$
4510 Z$=STR(A$,1,1)
4520 FOR I=1 TO 5
4530 IF Z$=STR(Z$(I),1,1) THEN 4580
4540 NEXT I
4550 PRINT 'UNACCEPTABLE BOOLEAN--MUST BE =,>,<,N, OR O'
4560 PRINT 'RE-';
4570 GO TO 4490
4580 ON ERROR GO TO 4630
4590 K=I !BOOLEAN CODE
4600 V=VAL(STR(A$,2,17))      !VALUE
4610 ON ERROR SYSTEM
4620 GO TO 4650
4630 PRINT 'UNACCEPTABLE CHARACTER AFTER BOOLEAN IN ';A$
4640 GO TO 4560
4650 REM-----FIND LOCATION TO PLACE N$,K,&V-----
4660 GOSUB 6110
4670 IF L=N9+1 THEN 4740
4680 IF A$(L)<>N$ THEN 4740
4690 PRINT 'THIS SAMPLE CODE ALREADY EXISTS. DO YOU WISH YOUR ENTRY TO BE INCLUDED AS A DUPLICATE (Y OR N)';
4700 INPUT A$
4710 IF STR(A$,1,1)='Y' THEN 4740
4720 PRINT 'DATA NOT ADDED TO FILE'
4730 GO TO 4110
4740 GOSUB 6190    !ADD DATA TO FILE
4750 GO TO 4110
4760 PRINT 'ENTER %RECOVERY AND SPIKE LEVEL (EG: 80,100)';
4770 INPUT K,V
4780 GO TO 4660
4790 PRINT '*****EDIT OPTION ''SAVE'' - SAVE EDITED FILE*****'
4800 OPEN 1,G$,OUTPUT
4810 IF T>=4 THEN 4890
4820 IF N9<>0 THEN 4850
4830 PUT 1:' ',0,0
4840 GO TO 4950
4850 FOR I=1 TO N9
4860 PUT 1:A$(I),A(I,1),A(I,2)
```

```
4870 NEXT I
4880 GO TO 4950
4890 IF N9<>0 THEN 4920
4900 PUT 1:' '
4910 GO TO 4950
4920 FOR I=1 TO N9
4930 PUT 1:A$(I)
4940 NEXT I
4950 CLOSE 1
4960 PRINT
4970 PRINT 'UPDATED FILE ';F$;' HAS BEEN SAVED.'
4980 GO TO 480
4990 REM-----SUB TO CHECK TYPE CODE-----
5000 Z$=STR(A$(I),7,1)
5010 I1=1            !INDICATES TYPE 1,2,3,4,5,6,7,8,A,OR B
5020 IF Z$<='B' THEN 5050
5030 IF Z$>='1' THEN 5050
5040 I1=2            !INDICATES TYPE C,D,OR E
5050 RETURN
5060 REM-----SUB TO MOVE ALL ELEMENTS, STARTING AT N6+1, UP # PLACES(TYPE 4&5 ONLY)-----
5070 IF N6=N9 THEN 5110
5080 FOR I=N6+1 TO N9
5090 A$(I-#)=A$(I)
5100 NEXT I
5110 N9=N9-#
5120 RETURN
5130 REM-----SUB TO LOCATE SAMPLE CODE C$-----
5140 I2=0            !SAMPLE CODE NOT FOUND
5150 FOR I=1 TO N9
5160 IF A$(I)=C$ THEN 5200
5170 NEXT I
5180 PRINT 'THIS SAMPLE CODE DOES NOT EXIST IN FILE ';F$
5190 RETURN
5200 N5=I            !LOCATION OF FIRST MATCHING CODE
5210 I2=1            !CODE FOUND
5220 IF N5=N9 THEN 5260       !FOUND CODE AT END
5230 FOR I=N5+1 TO N9
5240 IF A$(I)<>C$ THEN 5280
5250 NEXT I
5260 N6=N9           !ALL CODES SAME TO END
5270 GO TO 5290
5280 N6=I-1          !LAST CODE LOCATION
5290 #=N6-N5+1       !# OF IDENTICAL CODES
5300 PRINT #;'MATCHING SAMPLE CODES FOUND'
5310 RETURN
5320 REM-----CHECK FOR VALID SAMPLE CODE (N$)-----
5330 I3=0
5340 A$=STR(N$,1,3)
5350 ON ERROR GO TO 5390
5360 D1=VAL(A$)
5370 ON ERROR SYSTEM
5380 GO TO 5410
5390 PRINT 'DATE PORTION (';A$;') IS UNACCEPTABLE'
```

```
5400 I3=1           !INDICATES UNACCEPT SAMPLE CODE
5410 A$=STR(N$,4,1)
5420 ON ERROR GO TO 5460
5430 DI=VAL(A$)
5440 ON ERROR SYSTEM
5450 GO TO 5500
5460 PRINT 'IS TIME CODE (';A$;') ACCEPTABLE (Y OR N)';
5470 INPUT A$
5480 IF STR(A$,1,1)='Y' THEN 5500
5490 I3=1
5500 A$=STR(N$,5,1)
5510 IF A$='G' THEN 5560
5520 IF A$='L' THEN 5560
5530 IF A$='S' THEN 5560
5540 PRINT 'METHOD PORTION (';A$;') IS UNACCEPTABLE'
5550 I3=1
5560 A$=STR(N$,6,1)
5570 IF A$='N' THEN 5640
5580 IF A$='C' THEN 5640
5590 IF A$='R' THEN 5640
5600 IF A$='O' THEN 5640
5610 IF A$='B' THEN 5640
5612 IF A$='S' THEN 5640
5614 IF A$='E' THEN 5640
5620 PRINT 'UNIT CODE (';A$;') IS UNACCEPTABLE'
5630 I3=1
5640 A$=STR(N$,7,1)
5650 IF A$<'A' THEN 5690
5660 IF A$<='E' THEN 5710
5670 IF A$>'8' THEN 5690
5680 IF A$>='1' THEN 5710
5690 PRINT 'TYPE PORTION (';A$;') IS UNACCEPTABLE'
5700 I3=1
5710 A$=STR(N$,8,1)
5720 IF A$<'A' THEN 5750
5730 IF A$>'G' THEN 5750
5740 GO TO 5770
5750 PRINT 'PARAMETER PORTION (';A$;') IS UNACCEPTABLE'
5760 I3=1
5770 IF STR(N$,9,10)=' ' THEN 5800
5780 I3=1
5790 PRINT 'MORE THAN EIGHT CHARACTERS ENTERED'
5800 RETURN
5810 REM-----SUB TO CHANGE NUMERIC DATA ITEMS-----
5820 IF I1=2 THEN 6000
5830 PRINT 'CHANGE BOOLEAN (Y OR N)';
5840 INPUT A$
5850 IF STR(A$,1,1)<>'Y' THEN 5940
5860 PRINT 'ENTER NEW BOOLEAN (=,>,<,ND,OB)';
5870 INPUT A$
5880 FOR J=1 TO 5
5890 IF A$=Z$(J) THEN 5930
5900 NEXT J
```

```
05/02/79   17:19   UPDATE

 5910 PRINT 'UNACCEPTABLE BOOLEAN. RE-';
 5920 GO TO 5860
 5930 A(I,1)=J
 5940 PRINT 'CHANGE CONCENTRATION (Y OR N)';
 5950 INPUT A$
 5960 IF STR(A$,1,1)<>'Y' THEN 5990
 5970 PRINT 'ENTER NEW CONCENTRATION (PPB)';
 5980 INPUT A(I,2)
 5990 RETURN
 6000 PRINT 'CHANGE %RECOVERY (Y OR N)';
 6010 INPUT A$
 6020 IF STR(A$,1,1)<>'Y' THEN 6050
 6030 PRINT 'ENTER %RECOVERY';
 6040 INPUT A(I,1)
 6050 PRINT 'CHANGE SPIKE LEVEL (Y OR N)';
 6060 INPUT A$
 6070 IF STR(A$,1,1)<>'Y' THEN 6100
 6080 PRINT 'ENTER SPIKE LEVEL';
 6090 INPUT A(I,2)
 6100 RETURN
 6110 REM-----FIND LOCATION FOR NEW SAMPLE CODE (N$)-----
 6120 FOR I=1 TO N9
 6130 IF N$<=A$(I) THEN 6170
 6140 NEXT I
 6150 L=N9+1        !LOCATION
 6160 GO TO 6180
 6170 L=I
 6180 RETURN
 6190 REM-----ADD DATA TO FILE-----
 6200 IF L<>N9+1 THEN 6260
 6210 A$(N9+1)=N$
 6220 A(N9+1,1)=K
 6230 A(N9+1,2)=V
 6240 N9=N9+1
 6250 RETURN
 6260 FOR I=N9 TO L STEP -1
 6270 A$(I+1)=A$(I)
 6280 A(I+1,1)=A(I,1)
 6290 A(I+1,2)=A(I,2)
 6300 NEXT I
 6310 A$(L)=N$
 6320 A(L,1)=K
 6330 A(L,2)=V
 6340 GO TO 6240
 6350 END

TOTAL PROGRAM LINES    628
       CHARACTERS = 17846
       FILE UNITS =     6
```

```
05/02/79   17:09   STATUS

 100 DIM T$(10),M$(3),U$(7),P$(14),I$(13),C$(1100),A(1100,2),F$(60),D$(60),E$(60),T(60),D(3499,3),Z$(2),B$(5)
 110 FP$='DATALOG1'
 120 T$(1)='8:00-9:00'
 130 T$(2)='9:00-10:00'
 140 T$(3)='10:00-11:00'
 150 T$(4)='11:00-12:00'
 160 T$(5)='12:00-13:00'
 170 T$(6)='13:00-14:00'
 180 T$(7)='14:00-15:00'
 190 T$(8)='15:00-16:00'
 200 T$(9)='16:00-17:00'
 210 B$(1)='='
 220 B$(2)='>'
 230 B$(3)='<'
 240 B$(4)='NOT DETECTED'
 250 B$(5)='OBSCURED'
 260 M$(1)='GRAB'
 270 M$(2)='16 HOUR COMPOSITE'
 280 M$(3)='6 HOUR COMPOSITE'
 290 U$(1)='LIME NEUTRALIZAT''N'
 300 U$(2)='CARBON ADSORPTION'
 310 U$(3)='REVERSE OSMOSIS'
 320 U$(4)='OZONATION'
 330 U$(5)='BACKGROUND'
 332 U$(6)='SAND'
 334 U$(7)='CLARIFIER'
 340 I$(1)='RAW WATER'
 350 I$(2)='SPIKED RAW WATER'
 360 I$(3)='TREATED EFFLUENT'
 370 I$(4)='SLUDGE'
 380 I$(5)='BLANK'
 390 I$(6)='FIELD SPIKE'
 392 I$(7)='SURFACE WATER'
 394 I$(8)='SPECIAL'
 400 I$(9)='LAB.REAGENT BLANK'
 410 I$(10)='FIELD BLANK'
 420 I$(11)='SPIKED BLANK'
 430 I$(12)='SPIKED SAMPLE'
 440 I$(13)='QUAL.ASSUR.SAMPLE'
 450 P$(1)='VOLATILES BY GC'
 460 P$(3)='PHTHALATES BY GC'
 470 P$(5)='SELECTED VOLATILES'
 480 P$(6)=' BY GC/MS'
 490 P$(7)='PHTHALATES BY GC/M'
 500 P$(8)='S'
 510 P$(9)='VOLATILE PRIORITY '
 520 P$(10)='POLLUTANTS (GC/MS)'
 530 P$(11)='SEMI-VOLATILE EXTR'
 540 P$(12)='ACTABLES (GC/MS)'
 550 P$(13)='INORGANICS'
 560 REM-----READ FILENAMES-----
 570 OPEN 1,'*FILNAMES',INPUT
 580 N1=0
 590 N1-N1+1
 600 GET 1:F$(N1),D$(N1),E$(N1),T(N1)
 610 IF T(N1)<>5 THEN 590
 620 N1-N1-1        !# OF FILES OF TYPE 1,2,3,OR 4
 630 CLOSE 1
 640 PRINT 'GATHERING INFORMATION. DO NOT DISTURB!!!!!'
 650 OPEN 1,'*CODENAME',INPUT
 660 ON EOF 1 GO TO 700
 670 FOR I-1 TO 10000
 680 GET 1:C$(I)
 690 NEXT I
 700 N2-I-1         !# OF CODES IN *CODENAME
 710 CLOSE 1
 720 G$-'*'
 730 REM-----UPDATE CODENAME ENTRIES & COUNT # OF PARAMETER ENTRIES FOR EACH CODENAME-----
 740 IF N2<>0 THEN 890
 750 FOR F-1 TO N1
 760 STR(G$,2,17)-STR(F$(F),1,17)
 770 OPEN 1,G$,INPUT
 780 ON EOF 1 GO TO 850
 790 GET 1:C$
 800 IF C$-' ' THEN 850
 810 C$(1)-C$
 820 N2-1
 830 CLOSE 1
 840 GO TO 890
 850 CLOSE 1
 860 NEXT F
 870 PRINT 'ALL DATA FILES ARE PRESENTLY EMPTY.'
 880 STOP
 890 FOR F-1 TO N1
 900 STR(G$,2,17)-STR(F$(F),1,17)
 910 T-T(F)          !TYPE CODE FOR FILE
 920 OPEN 1,G$,INPUT
 930 ON EOF 1 GO TO 1040
 940 GET 1:C$
 950 IF C$-' ' THEN 1040
 960 RESET 1
 970 IF T-4 THEN 1010
 980 GET 1:C$,A,B
 990 GOSUB 3530      !CHECK IF IN FILE & ADD IF NECESSARY
1000 GO TO 980
1010 GET 1:C$
1020 GOSUB 3530
1030 GO TO 1010
1040 CLOSE 1
1050 NEXT F
1060 REM-----ALL CODES WITH NON-ZERO A(I,1) STILL EXIST IN AT LEAST ONE OF THE FILES-----
1070 OPEN 1,'*CODENAME',OUTPUT
1080 L-0 !MOST RECENT C$ ELEMENT SAVED
1090 FOR I-1 TO N2
1100 IF A(I,1)-0 THEN 1150   !DO NOT SAVE
1110 PUT 1:C$(I)
```

```
1120 L=L+1
1130 C$(L)=C$(I)
1140 A(L,1)=A(I,1)
1150 NEXT I
1160 N2=L           !# OF C$ ELEMENTS NOW IN ARRAY
1170 CLOSE 1
1180 REM-----C$ ARRAY (I=1,N2) NOW CONTAINS ALL CODES THAT EXIST IN AT LEAST ONE FILE-----
1190 REM A(I,1), I=1,N2, CONTAINS # OF TIMES CODE APPEARS IN FILES
1200 PRINT
1210 PRINT 'ENTER OLDEST DATE DESIRED FOR LISTING (EG: 501)';
1220 Z$(1)=' '
1230 INPUT TXT(Z$(1))
1240 STR(Z$(1),&TXT,1)=' '
1250 IF &TXT=4 THEN 1280      !CORRECT # OF CHAR.
1260 PRINT 'DATE ';Z$(1);' UNACCEPTABLE. RE-';
1270 GO TO 1210
1280 ON ERROR GO TO 1260
1290 V1=VAL(Z$(1))
1300 ON ERROR SYSTEM
1310 PRINT
1320 PRINT 'ENTER MOST RECENT DATE DESIRED FOR LISTING (EG: 514)';
1330 Z$(2)=' '
1340 INPUT TXT(Z$(2))
1350 STR(Z$(2),&TXT,1)=' '
1360 IF &TXT=4 THEN 1390
1370 PRINT 'DATE ';Z$(2);' UNACCEPTABLE. RE-';
1380 GO TO 1320
1390 ON ERROR GO TO 1370
1400 V2=VAL(Z$(2))
1410 ON ERROR SYSTEM
1420 IF V1<=V2 THEN 1470
1430 PRINT
1440 PRINT 'MOST RECENT DATE (';Z$(2);') OCCURS BEFORE OLDEST DATE (';Z$(1);').'
1450 PRINT 'YOU MUST RE-ENTER BOTH DATES'
1460 GO TO 1200
1470 STR(Z$(1),4,5)='AAAAA'
1480 STR(Z$(2),4,5)='99999'
1490 FOR I=1 TO N2 !FIND FIRST SAMPLE CODE
1500 IF C$(I)>=Z$(1) THEN 1540
1510 NEXT I
1520 PRINT 'SAMPLE CODES WITH DATE > OR = ';V1;'DO NOT EXIST'
1530 GO TO 1450
1540 S1=I           !FIRST SAMPLE CODE TO PRINT
1550 FOR I=S1 TO N2
1560 IF C$(I)>Z$(2) THEN 1600
1570 NEXT I
1580 S2=N2
1590 GO TO 1610
1600 S2=I-1         !LAST SAMPLE CODE TO PRINT
1610 REM-----GATHERING & PRINTING OF UP TO 3499 ITEMS-----
1620 REM-----S1=FIRST ELEMENT TO PRINT-----
1630 #1=0
1640 FOR I=S1 TO S2
```

```
05/02/79   17:09   STATUS

1650 #1=#1+A(I,1)
1660 IF #1<=3499 THEN 1690
1670 S3=I-1          !LAST CODE TO PRINT THIS PASS
1680 GO TO 1710
1690 NEXT I
1700 S3=S2
1710 A(S1,2)=0
1720 IF S1=S3 THEN 1760
1730 FOR I=S1+1 TO S3                              !ONE LESS THAN CURRENT LOCATION IN D ARRAY FOR THIS CODE
1740 A(I,2)=A(I-1,2)+A(I-1,1)
1750 NEXT I
1760 REM-----GET DATA FOR CODES S1 THRU S3-----
1770 B$=C$(S1)
1780 E$=C$(S3)
1790 MAT D=ZER
1800 FOR F=1 TO N1
1810 STR(G$,2,17)=STR(F$(F),1,17)
1820 OPEN 1,G$,INPUT
1830 ON EOF 1 GO TO 2110
1840 GET 1:C$
1850 IF C$=' ' THEN 2110
1860 RESET 1
1870 T=T(F)
1880 IF T=4 THEN 2010
1890 GET 1:C$,A,B
1900 IF C$<B$ THEN 1890
1910 IF C$>E$ THEN 2110
1920 FOR I=S1 TO S3
1930 IF C$=C$(I) THEN 1950
1940 NEXT I
1950 N=A(I,2)+1     !# OF ELEMENT BEING READ
1960 A(I,2)=N       !# OF ELEMENTS THAT HAVE BEEN READ
1970 D(N,1)=F       !FILE #
1980 D(N,2)=A
1990 D(N,3)=B
2000 GO TO 1890
2010 GET 1:C$
2020 IF C$<B$ THEN 2010
2030 IF C$>E$ THEN 2110
2040 FOR I=S1 TO S3
2050 IF C$=C$(I) THEN 2070
2060 NEXT I
2070 N=A(I,2)+1
2080 A(I,2)=N
2090 D(N,1)=F       !NO DATA PLACED IN COL.2 OR 3
2100 GO TO 2010
2110 CLOSE 1
2120 NEXT F
2130 A(S1,2)=1
2140 IF S1=S3 THEN 2180
2150 FOR I=S1+1 TO S3
2160 A(I,2)=A(I-1,2)+A(I-1,1)        !FIRST ROW TO PRINT FOR CODE I
2170 NEXT I
```

```
05/02/79   17:09   STATUS

 2180 REM-----READY TO PRINT THIS BLOCK OF DATA-----
 2190 D$-FET('DATE')
 2200 Q$-HEX(37)
 2210 PAUSE 'POSITION PAPER, C/R'
 2220 FOR L-S1 TO S3
 2230 D-VAL(STR(C$(L),1,3))
 2240 M-INT(D/100)  !MONTH
 2250 D-D-100*M     !DAY
 2254 REM---CHEK FOR SPECIAL CODING OF DATES IN OCTOBER---
 2255 IF M<>9 THEN 2260
 2256 IF D<31 THEN 2260
 2257 M-10
 2258 D-D-30
 2260 ON ERROR GO TO 2310
 2270 O1-VAL(STR(C$(L),4,1))
 2280 ON ERROR SYSTEM
 2290 IF O1-0 THEN 2310
 2300 GO TO 2320
 2310 O1-10          !T$ ARRAY ELEMENT
 2320 C$-STR(C$(L),5,1)
 2330 O2-1           !M$ ARRAY ELEMENT
 2340 IF C$-'G' THEN 2380
 2350 O2-2
 2360 IF C$-'L' THEN 2380
 2370 O2-3
 2380 C$-STR(C$(L),6,1)
 2390 O3-1           !U$ ARRAY
 2400 IF C$-'N' THEN 2480
 2410 O3-2
 2420 IF C$-'C' THEN 2480
 2430 O3-3
 2440 IF C$-'R' THEN 2480
 2450 O3-4
 2460 IF C$-'O' THEN 2480
 2470 O3-5
 2471 IF C$-'B' THEN 2480
 2472 O3-6
 2473 IF C$-'S' THEN 2480
 2474 O3-7
 2480 C$-STR(C$(L),7,1)
 2490 ON ERROR GO TO 2530
 2500 O4-VAL(C$)     !I$ ARRAY ELEMENT
 2510 ON ERROR SYSTEM
 2520 GO TO 2620
 2530 O4-9
 2540 IF C$-'A' THEN 2620
 2550 O4-10
 2560 IF C$-'B' THEN 2620
 2570 O4-11
 2580 IF C$-'C' THEN 2620
 2590 O4-12
 2600 IF C$-'D' THEN 2620
 2610 O4-13
```

```
2620 C$=STR(C$(L),8,1)
2630 O5=1            !FOR P$ ARRAY
2640 IF C$='A' THEN 2760
2650 O5=2
2660 IF C$='B' THEN 2760
2670 O5=3
2680 IF C$='C' THEN 2760
2690 O5=4
2700 IF C$='D' THEN 2760
2710 O5=5
2720 IF C$='E' THEN 2760
2730 O5=6
2740 IF C$='F' THEN 2760
2750 O5=7
2760 FOR I=1 TO 4
2770 PRINT Q$;
2780 NEXT I
2790 IF O4>8 THEN 2820
2800 PRINT 'SAMPLE RESULTS AS OF ';D$
2810 GO TO 2830
2820 PRINT 'QUALITY ASSURANCE RESULTS AS OF ';D$
2830 PRINT
2840 PRINT USING 2850,C$(L)
2850 :SAMPLE: #########
2860 PRINT USING 2870,M,D,T$(O1)
2870 :COLLECTED ##/##/78 AT ############
2880 #1=8            !# OF LINES PRINTED
2890 IF O4<=8 THEN 2920
2900 IF O4=12 THEN 2920
2910 GO TO 2970
2920 PRINT USING 2930,M$(O2)
2930 :BY ##################
2940 PRINT USING 2950,U$(O3)
2950 :FROM #################### UNIT
2960 #1=#1+2
2970 PRINT USING 2980,I$(O4)
2980 :SAMPLE TYPE IS ##################
2990 PRINT USING 3000,P$(2*O5-1),P$(2*O5)
3000 :ANALYZED FOR ####################&&&&&&&&&&&&&&&&&&&&
3010 PRINT
3020 PRINT 'RESULTS:'
3030 #1=#1+4
3040 IF O4>10 THEN 3100       !TYPE C,D,E
3050 PRINT USING 3060
3060 :COMPOUND                           CONCENTRATION(PPB)
3070 :####################&&&&&&&&&& # &&&,&&&,&&&.&
3080 :####################&&&&&&&&&& ############
3090 GO TO 3130
3100 PRINT USING 3110
3110 :COMPOUND                           %RECOVERY SPIKE LEVEL(PPB)
3120 :####################&&&&&&&&&& &&&,&&&.& &&&,&&&,&&&.&
3130 #1=#1+1
3140 P1=A(L,2)      !FIRST ROW TO PRINT
```

```
05/02/79   17:09   STATUS

 3150 P2=A(L,2)+A(L,1)-1        !LAST ROW TO PRINT
 3160 FOR P=P1 TO P2
 3170 F=D(P,1)       !FILE #
 3180 T=T(F)         !TYPE OF FILE
 3190 IF T=4 THEN 3310
 3200 REM-----TYPE 1,2,&3 FILES-----
 3210 IF O4>=11 THEN 3290      !TYPE C,D,OR E
 3220 A=D(P,2)       !BOOLEAN CODE
 3230 B=D(P,3)       !CONC.
 3240 IF A>3 THEN 3270
 3250 PRINT USING 3070,D$(F),E$(F),B$(A),B
 3260 GO TO 3320
 3270 PRINT USING 3080,D$(F),E$(F),B$(A)
 3280 GO TO 3320
 3290 PRINT USING 3120,D$(F),E$(F),D(P,2),D(P,3)
 3300 GO TO 3320
 3310 PRINT USING 3080,D$(F),E$(F),B$(4)
 3320 NEXT P
 3330 #1=#1+P2-P1+1
 3340 #2=INT(#1/66)
 3350 #1=#1-66*#2   !# LINES PRINTED THIS PAGE
 3360 IF #1=0 THEN 3400
 3370 FOR I=#1+1 TO 66
 3380 PRINT Q$;
 3390 NEXT I
 3400 NEXT L
 3410 IF S3=S2 THEN 3440
 3420 S1=S3+1        !FIRST NEW SAMPLE TO PRINT IN NEXT BLOCK
 3430 GO TO 1610
 3440 PRINT Q$;Q$;Q$;
 3450 PRINT 'DO YOU WISH TO SELECT ANY OTHER RANGE OF DATES FOR PRINTING (Y OR N)';
 3460 INPUT A$
 3470 IF STR(A$,1,1)='Y' THEN 3490
 3480 STOP
 3490 FOR I=1 TO N2
 3500 A(I,2)=0
 3510 NEXT I
 3520 GO TO 1180
 3530 REM-----SUB TO CHECK IF C$ IS IN CODENAME FILE, ADD IT IF NECESSARY, AND COUNT # OF ENTRIES FOR C$-----
 3540 FOR I=1 TO N2
 3550 IF C$<=C$(I) THEN 3620
 3560 NEXT I
 3570 REM-----NOT IN FILE, BELONGS AT END, ADD IT-----
 3580 N2=N2+1
 3590 C$(N2)=C$
 3600 A(N2,1)=1      !# OF OCCURANCES
 3610 RETURN
 3620 N3=I           !LOCATION WHERE IT BELONGS
 3630 IF C$<>C$(N3) THEN 3670
 3640 REM-----INCREMENT COUNT-----
 3650 A(N3,1)=A(N3,1)+1
 3660 RETURN
 3670 FOR I=N2 TO N3 STEP -1
```

```
05/02/79   17:09   STATUS

 3680 C$(I+1)-C$(I)
 3690 A(I+1,1)-A(I,1)
 3700 NEXT I
 3710 C$(N3)-C$
 3720 A(N3,1)-1
 3730 N2-N2+1
 3740 RETURN
 3750 END

TOTAL PROGRAM LINES    379
        CHARACTERS -  9959
        FILE UNITS -     3
```

```
05/02/79   17:02   INQUIRE

 100 DIM F$(60),D$(60),E$(60),T(60),T$(5),Z$(5)
 130 FP$='DATALOG1'
 140 REM-----READ FILE NAMES-----
 150 OPEN 1,'*FILNAMES',INPUT
 160 N1=0           !# OF FILES IN FILNAMES
 170 ON EOF 1 GO TO 210
 180 N1=N1+1
 190 GET 1:F$(N1),D$(N1),E$(N1),T(N1)
 200 GO TO 180
 210 N1=N1-1
 220 CLOSE 1
 230 T$(1)='VOLATILES'
 240 T$(2)='PHTHALATES'
 250 T$(3)='METALS'
 260 T$(4),T$(5)='SAMPLE CODES ONLY'
 270 Z$(1)='='
 280 Z$(2)='>'
 290 Z$(3)='<'
 300 Z$(4)='ND'
 310 Z$(5)='OB'
 320 PRINT
 330 PRINT 'ENTER SAMPLE CODE FOR WHICH DATA LISTING IS DESIRED';
 340 INPUT N$
 350 GOSUB 1180    !CHECK FOR VALID CODE
 360 IF I3=0 THEN 410
 370 PRINT 'DO YOU WISH TO CHECK ANOTHER SAMPLE CODE (Y OR N)';
 380 INPUT A$
 390 IF STR(A$,1,1)='Y' THEN 320
 400 STOP
 410 I3=0           !NOTHING YET PRINTED FOR CURRENT SAMPLE CODE
 420 A$=STR(N$,7,1)            !TYPE
 430 T1=1           !TYPE 1,2,3,4,5,6,7,8,A, OR B
 440 IF A$<='B' THEN 470
 450 IF A$>='1' THEN 470
 460 T1=2           !TYPE C,D, OR E
 470 D$=FET('DATE')
 480 Q$=HEX(37)
 490 #=0 !# LINES PRINTED THIS PG
 500 F$='*'
 510 FOR F=1 TO N1 !CHECK EACH FILE
 520 STR(F$,2,17)=STR(F$(F),1,17)
 530 OPEN 1,F$,INPUT
 540 ON EOF 1 GO TO 830
 550 IF T(F)<=3 THEN 680
 560 GET 1:C$
 570 IF C$<N$ THEN 560
 580 IF C$=N$ THEN 600
 590 GO TO 830
 600 IF I3<>0 THEN 620
 610 GOSUB 970
 620 IF T(F)=5 THEN 660
 630 PRINT USING 1080,D$(F),E$(F),Z$(4)
 640 #=#+1
```

```
05/02/79   17:02   INQUIRE

 650 GO TO 830
 660 PRINT USING 1090
 670 GO TO 640
 680 GET 1:C$,A,B
 690 IF C$<N$ THEN 680
 700 IF C$-N$ THEN 720
 710 GO TO 830
 720 IF I3<>0 THEN 740
 730 GOSUB 970
 740 IF T1-2 THEN 810          !TYPE C,D, OR E
 750 IF A>-4 THEN 790
 760 PRINT USING 1070,D$(F),E$(F),Z$(A),B
 770 #-#+1
 780 GO TO 680
 790 PRINT USING 1080,D$(F),E$(F),Z$(A)
 800 GO TO 770
 810 PRINT USING 1160,D$(F),E$(F),A,B
 820 GO TO 770
 830 CLOSE 1
 840 NEXT F
 850 IF I3-0 THEN 930
 860 #1-INT(#/66)
 870 #-#-66*#1      !# LINES PRINTED THIS PG
 880 IF #-0 THEN 370
 890 FOR I-#+1 TO 66
 900 PRINT Q$;
 910 NEXT I
 920 GO TO 370
 930 PRINT 'NO DATA EXISTS FOR SAMPLE CODE ';N$;
 940 PRINT
 950 PRINT
 960 GO TO 370
 970 REM*****SUB TO PRINT HEADING*****
 980 PAUSE 'POSITION PAPER, C/R'
 990 FOR I-1 TO 4
1000 PRINT Q$;
1010 NEXT I
1020 PRINT 'SUMMARY OF DATA FOR SAMPLE CODE ';N$;' AS OF ';D$
1030 PRINT
1040 IF T1-2 THEN 1140
1050 PRINT USING 1060
1060 :COMPOUND                     CONCENTRATION(PPB)
1070 :##################&&&&&&&&&& ## &&&,&&&,&&&.&
1080 :##################&&&&&&&&&& ##
1090 :ALL ANALYSES HAVE BEEN COMPLETED
1100 PRINT
1110 I3-1
1120 #-8
1130 RETURN
1140 PRINT USING 1150
1150 :COMPOUND                     %RECOVERY SPIKE LEVEL(PPB)
1160 :##################&&&&&&&&&& &&&,&&&.& &&&,&&&,&&&.&
1170 GO TO 1100
```

```
05/02/79   17:02   INQUIRE

1180 REM-----CHECK FOR VALID SAMPLE CODE (N$)-----
1190 I3=0
1200 A$=STR(N$,1,3)
1210 ON ERROR GO TO 1250
1220 D1=VAL(A$)
1230 ON ERROR SYSTEM
1240 GO TO 1270
1250 PRINT 'DATE PORTION (';A$;') IS UNACCEPTABLE'
1260 I3=1           !INDICATES UNACCEPT SAMPLE CODE
1270 A$=STR(N$,4,1)
1280 ON ERROR GO TO 1320
1290 D1=VAL(A$)
1300 ON ERROR SYSTEM
1310 GO TO 1360
1320 PRINT 'IS TIME CODE (';A$;') ACCEPTABLE (Y OR N)';
1330 INPUT A$
1340 IF STR(A$,1,1)='Y' THEN 1360
1350 I3=1
1360 A$=STR(N$,5,1)
1370 IF A$='G' THEN 1420
1380 IF A$='L' THEN 1420
1390 IF A$='S' THEN 1420
1400 PRINT 'METHOD PORTION (';A$;') IS UNACCEPTABLE'
1410 I3=1
1420 A$=STR(N$,6,1)
1430 IF A$='N' THEN 1500
1440 IF A$='C' THEN 1500
1450 IF A$='R' THEN 1500
1460 IF A$='O' THEN 1500
1470 IF A$='B' THEN 1500
1472 IF A$='S' THEN 1500
1474 IF A$='E' THEN 1500
1480 PRINT 'UNIT CODE (';A$;') IS UNACCEPTABLE'
1490 I3=1
1500 A$=STR(N$,7,1)
1510 IF A$<'A' THEN 1550
1520 IF A$<='E' THEN 1570
1530 IF A$>'8' THEN 1550
1540 IF A$>='1' THEN 1570
1550 PRINT 'TYPE PORTION (';A$;') IS UNACCEPTABLE'
1560 I3=1
1570 A$=STR(N$,8,1)
1580 IF A$<'A' THEN 1610
1590 IF A$>'G' THEN 1610
1600 GO TO 1630
1610 PRINT 'PARAMETER PORTION (';A$;') IS UNACCEPTABLE'
1620 I3=1
1630 IF STR(N$,9,10)=' ' THEN 1660
1640 I3=1
1650 PRINT 'MORE THAN EIGHT CHARACTERS ENTERED'
1660 RETURN
1670 END
```

```
05/02/79   17:02   INQUIRE


TOTAL PROGRAM LINES    158
        CHARACTERS =  4036
        FILE UNITS =     2
```

APPENDIX C-1

VOLATILE ORGANICS DATA

METHYLENE CHLORIDE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1A	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	> 1,000.0
5126GB1A	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	34.5
5126GB1E	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC/MS	4.0
5127GB1E	05/12	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS	> 100.0
5126GB5A	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	> 1,000.0
5126GBBE	05/12	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC/MS	> 50.0
5168GB5E	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	GC/MS	11.0
5177GB1A	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5176GB5A	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	33.1
5176GB5E	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS	13.0
5177GB5A	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	35.4
5177GB5E	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC/MS	16.0
5187GB1A	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5187GB5A	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5193GB1A	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
5193GB6E	05/19	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	GC/MS	140.0
5222GB1A	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5227GB1A	05/22	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	2.6
5222GB5A	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	3.1
5227GB5A	05/22	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	4.0
5238GB1A	05/23	BACKGROUND	RAW WATER	GRAB	15:00-16:00	GC	< 1.0
5233GB5A	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	6.7
5232GN3A	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
5257GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
5258GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	10.0
5257GB5A	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5258GBBA	05/25	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	10.0
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	10.0
5302GB1A	05/30	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5307GB1A	05/30	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	3.0
5306GB2A	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	13.6
5306GB5A	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	3.0
5306GBBA	05/30	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC	1.6
5307GN3A	05/30	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	35.5
5307GN5A	05/30	NEUTRALIZATION	BLANK	GRAB	14:00-15:00	GC	2.7
5311GB1A	05/31	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
5317GB1A	05/31	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5312GB5A	05/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5317GB5A	05/31	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	544.0
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5312GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	4.4
5317GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.6
5312GN5A	05/31	NEUTRALIZATION	BLANK	GRAB	9:00-10:00	GC	< 1.0
6011GB1A	06/01	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6011GN3A	06/01	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6021GB1A	06/02	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6026GB2A	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	635.0
6022GB5A	06/02	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	2.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6020GBAA	06/02	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6021GN3A	06/02	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6057GB1A	06/05	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	> 1,000.0
6055GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	113.0
6057GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	> 1,000.0
6050GB4E	06/05	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC/MS	57.0
6056GB5A	06/05	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	3.1
6056GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	120.0
6057GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	112.0
6062GB1A	06/06	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
6066GB1A	06/06	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
6063GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	> 1,000.0
6066GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	50.0
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	101.0
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	108.0
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	93.0
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	105.0
6063GB5A	06/06	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	> 1,000.0
6066GB5A	06/06	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	525.0
6062GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	123.0
6066GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	126.0
6071GB1A	06/07	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6077GB1A	06/07	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6072GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	20.8
6076GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	112.0
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	135.0
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	150.0
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	145.0
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	138.0
6076GB5A	06/07	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	1.0
6071GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	153.0
6077GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	142.0
6081GB1A	06/08	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6087GB1A	06/08	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	2.0
6082GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6086GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6087GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB4A	06/08	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	41.0
6087GB4A	06/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	23.5
6082GB5A	06/08	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6088GB5A	06/08	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	38.0
6082GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	49.0
6087GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	28.0
6091GB1A	06/09	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6097GB1A	06/09	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	58.0
6097GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	2.3
6092GB4A	06/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6097GB4A	06/09	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.0
6092GB5A	06/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	3.2

METHYLENE CHLORIDE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
6097GB5A	06/09	BACKGROUND	BLANK	GRAB	14:00-15:00	GC		< 1.0	
6090GBAA	06/09	BACKGROUND	LAB BLANK	GRAB		GC		< 1.0	
6092GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		< 1.0	
6097GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		1.4	
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		146.0	
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		140.0	
6122GB4E	06/12	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC/MS		28.0	
6127GB4A	06/12	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		17.5	
6127GB5A	06/12	BACKGROUND	BLANK	GRAB	14:00-15:00	GC		> 1,000.0	
6122GN3E	06/12	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS		17.0	
6126GN3A	06/12	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC		28.4	
6131GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		3.1	
6136GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		< 1.0	
6131GB4A	06/13	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC		24.4	
6137GB4A	06/13	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		14.2	
6132GB5A	06/13	BACKGROUND	BLANK	GRAB	9:00-10:00	GC		1.3	
6137GB5A	06/13	BACKGROUND	BLANK	GRAB	14:00-15:00	GC		< 1.0	
6131GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC		10.6	
6137GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		12.2	
6142GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		127.0	
6147GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		22.8	
6142GB4A	06/14	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		17.5	
6147GB4A	06/14	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		22.0	
6142GB5A	06/14	BACKGROUND	BLANK	GRAB	9:00-10:00	GC		1.0	
6148GB5A	06/14	BACKGROUND	BLANK	GRAB	15:00-16:00	GC		< 1.0	
6142GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		19.3	
6147GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		20.1	
6151GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC/MS		63.0	
6156GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS		110.0	
6156GB4E	06/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC/MS		31.0	
6152GN3E	06/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS		19.0	
6161GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		214.0	
6164GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	11:00-12:00	GC		408.0	
6165GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC		260.0	
6167GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		371.0	
6162GB4A	06/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		35.6	
6162GB5A	06/16	BACKGROUND	BLANK	GRAB	9:00-10:00	GC		1.6	
6160GBAA	06/16	BACKGROUND	LAB BLANK	GRAB		GC		< 1.0	
6162GN3A	06/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		4.2	
6191GB2A	06/19	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		221.0	
6192GB4A	06/19	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		48.0	
6193GB5A	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC		1.6	
6197GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	109.0%REC.	252.0	SPIKE
6198GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	49.0%REC.	10.1	SPIKE
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC		39.5	
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC		39.0	
6197GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		40.0	
6202GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		277.0	
6207GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		398.0	
6202GB4A	06/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		46.0	

METHYLENE CHLORIDE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6207GB4A	06/20	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	47.0
6203GB5A	06/20	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6206GB5A	06/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6202GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	47.0
6207GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	51.0
6211GB2A	06/21	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	391.0
6211GB4A	06/21	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	44.0
6212GB5A	06/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6217GB5A	06/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6211GN3A	06/21	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	42.0
6212GN8A	06/21	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	13.0
6222GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	340.0
6226GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	326.0
6222GB4A	06/22	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	42.0
6226GB4A	06/22	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	47.0
6222GB5A	06/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6226GB5A	06/22	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6222GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	49.0
6226GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	56.0
6222GN8A	06/22	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	57.0
6231GB2A	06/23	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	273.0
6232GB4A	06/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	48.0
6232GB5A	06/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	1.0
6230GBAA	06/23	BACKGROUND	LAB BLANK	GRAB		GC	1.2
6231GN3A	06/23	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	47.0
6232GN8A	06/23	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	> 1,000.0
6262GB2E	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	> 50.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	456.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	455.0
6262GB4E	06/26	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC/MS	> 100.0
6267GB4A	06/26	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	70.0
6267GB5A	06/26	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6262GN3E	06/26	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	88.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	69.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	70.0
6291GBBA	06/29	BACKGROUND	FIELD BLANK	GRAB	8:00- 9:00	GC	< 1.0
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	98.0%REC. 10.1 SPIKE
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	99.0%REC. 10.1 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	120.0%REC. 10.1 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	106.0%REC. 10.1 SPIKE
6293GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	103.0%REC. 50.3 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	102.0%REC. 251.7 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	103.0%REC. 251.7 SPIKE
6300GBAA	06/30	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
7202GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	220.0
7206GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	217.0
7202GB5A	07/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7206GB5A	07/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
7202GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	34.0
7207GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	29.0

METHYLENE CHLORIDE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
7212GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	5.3
7217GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	237.0
7212GB5A	07/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7217GB5A	07/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	7.5
7217GBBA	07/21	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
7216GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	GC	90.6%REC. 251.7 SPIKE
7217GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	90.6%REC. 50.3 SPIKE
7218GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	85.1%REC. 10.1 SPIKE
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	8.0
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	7.8
7217GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	25.0
7252GB2A	07/25	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	198.0
7258GB5A	07/25	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
7252GN3A	07/25	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	37.0
7276GB2A	07/27	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	311.0
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	230.0
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	216.0
7273GB5A	07/27	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
7277GBBA	07/27	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
7276GN3A	07/27	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	252.0
8085GB2A	08/08	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	99.0
8087GB4A	08/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	92.0
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	12.9
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	16.1
8080GBBA	08/08	BACKGROUND	FIELD BLANK	GRAB		GC	< 1.0
8086GN3A	08/08	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	83.0
8091GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	98.0
8097GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	81.0
8092GB4A	08/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	75.0
8098GB4A	08/09	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	87.0
8092GB5A	08/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	17.0
8098GB5A	08/09	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	7.9
8097GB7E	08/09	BACKGROUND	SURFACE WATER	GRAB	14:00-15:00	GC/MS	10.0
8091GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	97.0
8097GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	94.0
8107GB1A	08/10	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
8106GB2A	08/10	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	97.0
8101GB4A	08/10	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	88.0
8107GB4A	08/10	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	95.0
8102GB5A	08/10	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	9.5
8107GB5A	08/10	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	7.0
8103GBBA	08/10	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	4.5
8102GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	83.0%REC. 251.7 SPIKE
8103GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	85.0%REC. 50.3 SPIKE
8104GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	114.0%REC. 10.1 SPIKE
8101GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	113.0
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	102.0
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	OBSCURED
8112GB2A	08/11	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	78.0
8112GB4A	08/11	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	102.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8112GB5A	08/11	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	3.1
8112GN3A	08/11	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	83.0
8153GB1A	08/15	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8152GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	166.0
8157GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	64.0
8152GB4A	08/15	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	96.0
8156GB4A	08/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	35.0
8152GB5A	08/15	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8157GB5A	08/15	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8152GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	54.0
8157GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	52.0
8163GB1A	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	3.0
8161GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	705.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	9.8
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	10.3
8162GB4A	08/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	39.0
8168GB4A	08/16	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	22.0
8161GB5A	08/16	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	2.9
8168GB5A	08/16	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	3.4
8169GB8A	08/16	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 1.0
8162GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	33.0
8168GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	15:00-16:00	GC	24.0
8171GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	210.0
8177GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	46.0
8172GB4A	08/17	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	25.0
8177GB4A	08/17	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	12.8
8172GB5A	08/17	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	2.2
8177GB5A	08/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	2.0
8178GB8A	08/17	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	2.0
8171GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	16.1
8177GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	13.6
8182GB1A	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	3.8
8182GB2A	08/18	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	118.0
8182GB4A	08/18	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	14.2
8182GB5A	08/18	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	3.0
8182GB8A	08/18	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	2.8
8182GN3A	08/18	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	13.4
8223GB1A	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	1.6
8227GB2A	08/22	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	25.0
8228GB4A	08/22	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	10.7
8224GB5A	08/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC	3.0
8227GB8A	08/22	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
8227GN3A	08/22	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	41.0
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	3.2
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	10.0
8237GB4A	08/23	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	17.3
8232GB5A	08/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8237GB5A	08/23	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	1.4
8237GB8A	08/23	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	2.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
8237GBCA	08/23	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	108.0%REC.	50.1	SPIKE
8232GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		11.6	
8238GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	15:00-16:00	GC		3.4	
8232GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC		9.5	
8237GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC		8.6	
8243GB1A	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	<	1.0	
8243GB4A	08/24	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC		10.0	
8247GB4A	08/24	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		7.2	
8243GB5A	08/24	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	<	1.0	
8247GB5A	08/24	BACKGROUND	BLANK	GRAB	14:00-15:00	GC		94.0	
8248GBBA	08/24	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	<	1.0	
8243GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	10:00-11:00	GC		2.8	
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC		6.6	
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC		6.0	
8243GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	10:00-11:00	GC	<	1.0	
8247GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC		11.2	
8251GB4A	08/25	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC		19.0	
8251GB5A	08/25	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC		73.0	
8251GE3A	08/25	CLARIFIER	TREATED WATER	GRAB	8:00- 9:00	GC		5.8	
8251GS3A	08/25	SAND FILTER	TREATED WATER	GRAB	8:00- 9:00	GC		38.0	
8288GB5A	08/28	BACKGROUND	BLANK	GRAB	15:00-16:00	GC		43.0	
8292GB4A	08/29	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	>	1,000.0	
8296GB4A	08/29	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC		6.0	
8293GB5A	08/29	BACKGROUND	BLANK	GRAB	10:00-11:00	GC		8.5	
8297GB5A	08/29	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8292GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		22.0	
8296GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC		18.0	
8292GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC		34.0	
8296GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	13:00-14:00	GC		16.0	
8302GB4A	08/30	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		40.0	
8307GB4A	08/30	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		27.0	
8302GB5A	08/30	BACKGROUND	BLANK	GRAB	9:00-10:00	GC		4.2	
8307GB5A	08/30	BACKGROUND	BLANK	GRAB	14:00-15:00	GC		2.7	
8302GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		12.4	
8307GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC		13.9	
8307GO5A	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC		9.6	
8302GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC		11.8	
8307GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC		22.6	
8312GB4A	08/31	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		13.1	
8317GB4A	08/31	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		10.1	
8312GB5A	08/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC		5.2	
8312GBBA	08/31	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC		2.9	
8312GBCA	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	92.2%REC.	250.6	SPIKE
8312GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		19.1	
8317GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC		15.2	
8312GO3A	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC		16.2	
8317GO3A	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC		13.7	
9012GB4A	09/01	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		43.0	
9017GB4A	09/01	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		47.0	
9012GB5A	09/01	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9012GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	12.6
9017GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	11.3
9012GO3A	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	9.0
9017GO3A	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	9.7
9056GB4A	09/05	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	9.4
9056GE3A	09/05	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	11.2
9056GO3A	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	8.6
9062GB4A	09/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	10.3
9067GB4A	09/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	16.1
9061GB5A	09/06	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 1.0
9062GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	9.9
9067GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	9.7
9062GO3A	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	7.8
9067GO3A	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	8.4
9197GB5A	09/19	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	15.2
9202GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	43.0
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	1.0
9202GB4A	09/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	7.5
9208GB4A	09/20	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	6.2
9202GB5A	09/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	22.0
9208GB5A	09/20	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	38.0
9202GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	6.8
9207GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	5.3
9208GO3A	09/20	OZONATION	TREATED WATER	GRAB	15:00-16:00	GC	5.5
9212GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	49.0
9219GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	16:00-17:00	GC	152.0
9212GB4A	09/21	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	4.6
9217GB4A	09/21	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	5.5
9212GB5A	09/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	28.0
9216GB5A	09/21	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	23.0
9212GO3A	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	2.5
9216GO3A	09/21	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	2.8
9217GO3A	09/21	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	3.3
9275GB7E	09/27	BACKGROUND	SURFACE WATER	GRAB	12:00-13:00	GC/MS	9.0
9337GB2A	10/03	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	262.0
9337GB4A	10/03	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	22.0
9337GB5A	10/03	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	3.3
9337GB8A	10/03	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
9337GN3A	10/03	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	33.0
9337GO3A	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	28.0
9342GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	323.0
9346GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	278.0
9342GB4A	10/04	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	275.0
9346GB4A	10/04	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	31.0
9342GB5A	10/04	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9346GB5A	10/04	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
9342GB8A	10/04	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9342GBCA	10/04	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	103.0%REC. 10.0 SPIKE
9341GC3A	10/04	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	34.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
9342GC3A	10/04	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
934XGC5A	10/04	CARBON	BLANK	GRAB		GC		185.0	
9342GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		38.0	
9346GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC		33.0	
9342GO3A	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC		31.0	
9346GO3A	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC		32.0	
9352GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		139.0	
9357GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		178.0	
9352GB4A	10/05	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		16.7	
9357GB4A	10/05	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		19.8	
9352GB5A	10/05	BACKGROUND	BLANK	GRAB	9:00-10:00	GC		3.6	
9357GB5A	10/05	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
9352GBBA	10/05	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	<	1.0	
9352GBCA	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	98.0%REC.	249.0	SPIKE
9351GC3A	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC		77.0	
9352GC3A	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC		1.8	
935XGC5A	10/05	CARBON	BLANK	GRAB		GC		169.0	
9352GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		20.6	
9357GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		20.8	
9352GO3A	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC		42.0	
9357GO3A	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC		17.0	
9362GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		164.0	
9367GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		141.0	
9362GB4A	10/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		21.0	
9367GB4A	10/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		17.7	
9362GB5A	10/06	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
9367GB5A	10/06	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
9363GBBA	10/06	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	<	1.0	
9363GBCA	10/06	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	95.0%REC.	10.0	SPIKE
9361GC3A	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC		81.0	
9362GC3A	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC		7.1	
9363GC3A	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC		142.0	
9365GC3A	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC		86.0	
9366GC3A	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC		7.4	
9367GC3A	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC		145.0	
936XGC5A	10/06	CARBON	BLANK	GRAB		GC		156.0	
9362GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		22.0	
9367GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		20.7	
9362GO3A	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC		24.0	
9367GO3A	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC		19.3	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1A	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	3.9
5126GB1A	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
5126GB5A	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	3.8
5177GB1A	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5176GB5A	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5177GB5A	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5187GB1A	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5187GB5A	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5193GB1A	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
5222GB1A	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5227GB1A	05/22	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5222GB5A	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5227GB5A	05/22	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5238GB1A	05/23	BACKGROUND	RAW WATER	GRAB	15:00-16:00	GC	< 1.0
5233GB5A	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
5232GN3A	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
5257GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
5258GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
5257GB5A	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5258GB8A	05/25	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
5302GB1A	05/30	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5307GB1A	05/30	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5306GB2A	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
5306GB5A	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5306GB8A	05/30	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC	< 1.0
5307GN3A	05/30	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.2
5307GN5A	05/30	NEUTRALIZATION	BLANK	GRAB	14:00-15:00	GC	< 1.0
5311GB1A	05/31	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
5317GB1A	05/31	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5312GB5A	05/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5317GB5A	05/31	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GB8A	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GB8A	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5312GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
5317GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
5312GN5A	05/31	NEUTRALIZATION	BLANK	GRAB	9:00-10:00	GC	< 1.0
6011GB1A	06/01	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6011GN3A	06/01	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6021GB1A	06/02	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6026GB2A	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	26.5
6022GB5A	06/02	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6020GBAA	06/02	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6021GN3A	06/02	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6057GB1A	06/05	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	596.0
6055GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	5.1
6057GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	73.0
6056GB5A	06/05	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6056GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	2.8
6057GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	3.0
6062GB1A	06/06	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6066GB1A	06/06	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
6063GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	366.0
6066GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	1.9
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	1.9
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	2.1
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.2
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.8
6063GB5A	06/06	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6066GB5A	06/06	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6062GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.1
6066GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	2.4
6071GB1A	06/07	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6077GB1A	06/07	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6072GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	1.0
6076GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.8
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.6
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.1
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.5
6076GB5A	06/07	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6071GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	2.9
6077GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.9
6081GB1A	06/08	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6087GB1A	06/08	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6086GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6087GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB4A	06/08	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6087GB4A	06/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6082GB5A	06/08	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6088GB5A	06/08	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
6082GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6087GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6091GB1A	06/09	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6097GB1A	06/09	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB4A	06/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6097GB4A	06/09	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6092GB5A	06/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6097GB5A	06/09	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6090GBAA	06/09	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6092GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	5.1
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	5.2
6127GB4A	06/12	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6127GB5A	06/12	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6126GN3A	06/12	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
6131GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER	
6136GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	<	1.0
6131GB4A	06/13	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	<	1.0
6137GB4A	06/13	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0
6132GB5A	06/13	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0
6137GB5A	06/13	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0
6131GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	<	1.0
6137GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0
6142GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		5.1
6147GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		1.2
6142GB4A	06/14	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		1.1
6147GB4A	06/14	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0
6142GB5A	06/14	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0
6148GB5A	06/14	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	<	1.0
6142GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0
6147GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0
6161GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		6.9
6164GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	11:00-12:00	GC		14.0
6165GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC		10.5
6167GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		15.3
6162GB4A	06/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0
6162GB5A	06/16	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0
6160GBAA	06/16	BACKGROUND	LAB BLANK	GRAB		GC	<	1.0
6162GN3A	06/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0
6191GB2A	06/19	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		9.0
6192GB4A	06/19	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0
6193GB5A	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	<	1.0
6197GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	108.0%REC.	25.1 SPIKE
6198GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	110.0%REC.	1.0 SPIKE
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	<	1.0
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	<	1.0
6197GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0
6202GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		10.1
6207GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		15.0
6202GB4A	06/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		1.0
6207GB4A	06/20	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		1.0
6203GB5A	06/20	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	<	1.0
6206GB5A	06/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	<	1.0
6202GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		1.0
6207GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		1.0
6211GB2A	06/21	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		13.5
6211GB4A	06/21	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	<	1.0
6212GB5A	06/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0
6217GB5A	06/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0
6211GN3A	06/21	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	<	1.0
6212GN8A	06/21	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	<	1.0
6222GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		12.1
6226GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		12.3
6222GB4A	06/22	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0
6226GB4A	06/22	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	<	1.0
6222GB5A	06/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6226GB5A	06/22	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6222GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6226GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
6222GN8A	06/22	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	< 1.0
6231GB2A	06/23	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	9.4
6232GB4A	06/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.0
6232GB5A	06/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6230GBAA	06/23	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6231GN3A	06/23	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6232GN8A	06/23	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	1.0
6262GB2E	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	19.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	14.2
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	14.3
6267GB4A	06/26	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.0
6267GB5A	06/26	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.1
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.0
6291GBBA	06/29	BACKGROUND	FIELD BLANK	GRAB	8:00- 9:00	GC	< 1.0
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	130.0%REC. 1.0 SPIKE
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	130.0%REC. 1.0 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	100.0%REC. 1.0 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	110.0%REC. 1.0 SPIKE
6293GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	112.0%REC. 5.0 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	102.0%REC. 25.1 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	107.0%REC. 25.1 SPIKE
6300GBAA	06/30	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
7202GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	8.1
7206GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	8.1
7202GB5A	07/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7206GB5A	07/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
7202GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.0
7207GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
7212GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
7217GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	10.2
7212GB5A	07/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7217GB5A	07/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
7217GBBA	07/21	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
7216GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	GC	94.4%REC. 25.1 SPIKE
7217GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	88.0%REC. 5.0 SPIKE
7218GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	90.0%REC. 1.0 SPIKE
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
7217GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
7252GB2A	07/25	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	7.4
7258GB5A	07/25	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
7252GN3A	07/25	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.2
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	7.8
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	7.5
7273GB5A	07/27	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
7277GB8A	07/27	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
7276GN3A	07/27	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC		9.0	
8085GB2A	08/08	BACKGRCUND	SPIKED WATER	GRAB	12:00-13:00	GC		2.9	
8087GB4A	08/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		4.1	
8087GB5A	08/08	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8080GBBA	08/08	BACKGROUND	FIELD BLANK	GRAB		GC	<	1.0	
8086GN3A	08/08	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC		3.3	
8091GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		3.7	
8097GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		3.4	
8092GB4A	08/09	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC		3.2	
8098GB4A	08/09	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC		4.3	
8092GB5A	08/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8098GB5A	08/09	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	<	1.0	
8091GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC		4.8	
8097GN3A	08/C9	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		4.5	
8107GB1A	08/10	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	<	1.0	
8106GB2A	08/10	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		5.0	
8101GB4A	08/10	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC		4.2	
8107GB4A	08/10	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		3.6	
8102GB5A	08/10	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8107GB5A	08/10	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8103GBBA	08/10	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	<	1.0	
8102GBCA	08/10	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	79.0%REC.	25.1	SPIKE
8103GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	110.0%REC.	5.0	SPIKE
8104GBCA	08/10	BACKGRCUND	SPIKED BLANK	GRAB	11:00-12:00	GC	70.0%REC.	1.0	SPIKE
8101GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC		5.7	
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		4.6	
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		6.4	
8112GB2A	08/11	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		3.0	
8112GB4A	08/11	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		5.0	
8112GB5A	08/11	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8112GN3A	08/11	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		3.1	
8153GB1A	08/15	BACKGRCUND	RAW WATER	GRAB	10:00-11:00	GC	<	1.0	
8152GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		7.0	
8157GB2A	08/15	BACKGROUND	SPIKFD WATER	GRAB	14:00-15:00	GC		2.2	
8152GB4A	08/15	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		3.7	
8156GB4A	08/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC		1.9	
8152GB5A	08/15	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8157GB5A	08/15	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8152GN3A	08/15	NFUTRALIZATION	TREATFD WATER	GRAB	9:00-10:00	GC		2.1	
8157GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		2.4	
8163GB1A	08/16	BACKGRCUND	RAW WATER	GRAB	10:00-11:00	GC	<	1.0	
8161GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		36.0	
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	<	1.0	
8168GB2A	08/16	BACKGRCUND	SPIKED WATER	GRAB	15:00-16:00	GC	<	1.0	
8162GB4A	08/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		2.4	
8168GB4A	08/16	BACKGRCUND	SLUDGE	GRAB	15:00-16:00	GC		1.0	
8161GB5A	08/16	BACKGRCUND	BLANK	GRAB	8:00- 9:00	GC	<	1.0	
8168GB5A	08/16	BACKGRCUND	BLANK	GRAB	15:00-16:00	GC	<	1.0	
8169GBBA	08/16	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	<	1.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8162GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.6
8168GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	15:00-16:00	GC	1.8
8171GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	1.7
8177GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	1.1
8172GB4A	08/17	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8177GB4A	08/17	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8172GB5A	08/17	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8177GB5A	08/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8178GBBA	08/17	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
8171GN3A	08/17	NEUTRALIZATION	TREATEC WATER	GRAB	8:00- 9:00	GC	< 1.0
8177GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
8182GB1A	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
8182GB2A	08/18	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	6.6
8182GB4A	08/18	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8182GB5A	08/18	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8182GBBA	08/18	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
8182GN3A	08/18	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8223GB1A	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8227GB2A	08/22	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	1.0
8228GB4A	08/22	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 1.0
8224GB5A	08/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC	< 1.0
8227GBBA	08/22	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
8227GN3A	08/22	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8237GB2A	08/23	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8237GB4A	08/23	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8232GB5A	08/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8237GB5A	08/23	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8237GBBA	08/23	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
8237GBCA	08/23	BACKGRCUND	SPIKED BLANK	GRAB	14:00-15:00	GC	94.6%REC. 5.0 SPIKE
8232GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8238GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	15:00-16:00	GC	< 1.0
8232GS3A	08/23	SAND FILTER	TREATEC WATER	GRAB	9:00-10:00	GC	< 1.0
8237GS3A	08/23	SAND FILTER	TRFATED WATER	GRAB	14:00-15:00	GC	< 1.0
8243GB1A	08/24	BACKGRCUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8243GB4A	08/24	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	< 1.0
8247GB4A	08/24	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8243GB5A	08/24	BACKGRCUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
8247GB5A	08/24	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8248GBBA	08/24	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
8243GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	10:00-11:00	GC	< 1.0
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	1.0
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
8243GS3A	08/24	SAND FILTER	TREATEC WATER	GRAB	10:00-11:00	GC	< 1.0
8247GS3A	08/24	SAND FILTER	TRFATED WATER	GRAB	14:00-15:00	GC	< 1.0
8251GB4A	08/25	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 1.0
8251GB5A	08/25	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	1.7
8251GE3A	08/25	CLARIFIER	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
8251GS3A	08/25	SAND FILTER	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
8288GB5A	08/28	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	<	1.0	
8282GS3A	08/28	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8292GB4A	08/29	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0	
8296GB4A	08/29	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	<	1.0	
8293GB5A	08/29	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	<	1.0	
8297GB5A	08/29	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8292GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8296GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC		1.0	
8296GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	13:00-14:00	GC	<	1.0	
8302GB4A	08/30	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0	
8307GB4A	08/30	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0	
8302GB5A	08/30	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8307GB5A	08/30	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8302GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8307GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8307GO5A	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8302GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8307GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8312GB4A	08/31	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0	
8317GB4A	08/31	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0	
8312GB5A	08/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8312GBBA	08/31	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	<	1.0	
8312GBCA	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	89.2%REC.	24.9	SPIKE
8312GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8317GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8312GO3A	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8317GO3A	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9012GB4A	09/01	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0	
9017GB4A	09/01	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0	
9012GB5A	09/01	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
9012GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		1.0	
9017GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9012GO3A	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
9017GO3A	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9056GB4A	09/05	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	<	1.0	
9056GE3A	09/05	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	<	1.0	
9056GO3A	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	<	1.0	
9062GB4A	09/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0	
9067GB4A	09/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0	
9061GB5A	09/06	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	<	1.0	
9062GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
9067GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9062GO3A	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
9067GO3A	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9197GB5A	09/19	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
9202GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		1.6	
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	<	1.0	
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	<	1.0	
9202GB4A	09/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0	
9208GB4A	09/20	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	<	1.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9202GB5A	09/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9208GB5A	09/20	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
9202GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9207GF3A	09/20	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9208GO3A	09/20	OZONATION	TREATED WATER	GRAB	15:00-16:00	GC	< 1.0
9212GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	2.6
9219GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	16:00-17:00	GC	7.9
9212GB4A	09/21	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9217GB4A	09/21	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9212GB5A	09/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9216GB5A	09/21	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
9212GO3A	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9216GO3A	09/21	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9217GO3A	09/21	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9337GB2A	10/03	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	11.9
9337GB4A	10/03	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.2
9337GB5A	10/03	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9337GBBA	10/03	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
9337GN3A	10/03	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.2
9337GO3A	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9342GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	15.1
9346GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	13.4
9342GB4A	10/04	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9346GB4A	10/04	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.0
9342GB5A	10/04	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9346GB5A	10/04	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
9342GBBA	10/04	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9342GBCA	10/04	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	111.0%REC. 1.0 SPIKE
9341GC3A	10/04	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9342GC3A	10/04	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
934XGC5A	10/04	CARBON	BLANK	GRAB		GC	9.2
9342GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9346GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9342GO3A	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9346GO3A	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9352GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	7.1
9357GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	9.1
9352GB4A	10/05	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9357GB4A	10/05	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9352GB5A	10/05	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9357GB5A	10/05	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9352GBBA	10/05	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9352GBCA	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	96.0%REC. 25.1 SPIKE
9351GC3A	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9352GC3A	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
935XGC5A	10/05	CARBON	BLANK	GRAB		GC	8.4
9352GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9357GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9352GO3A	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9357GO3A	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0

T-DICHLOROETHENE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9362GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	7.7
9367GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	7.1
9362GB4A	10/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9367GB4A	10/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9362GB5A	10/06	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9367GB5A	10/06	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9363GBBA	10/06	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	< 1.0
9363GBCA	10/06	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	110.0%REC. 1.0 SPIKE
9361GC3A	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9362GC3A	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9363GC3A	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC	7.3
9365GC3A	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC	< 1.0
9366GC3A	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9367GC3A	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC	5.9
936XGC5A	10/06	CARBON	BLANK	GRAB		GC	7.2
9362GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9367GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.0
9362GO3A	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9367GO3A	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0

CHLOROFORM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1A	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	7.3
5126GB1A	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
5126GB5A	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	13.5
5177GB1A	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5176GB5A	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5177GB5A	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5187GB1A	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5187GB5A	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5193GB1A	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
5222GB1A	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5227GB1A	05/22	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5222GB5A	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	1.4
5227GB5A	05/22	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	2.6
5238GB1A	05/23	BACKGROUND	RAW WATER	GRAB	15:00-16:00	GC	< 1.0
5233GB5A	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
5232GN3A	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
5257GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
5258GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
5257GB5A	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	1.4
5258GBBA	05/25	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	50.0
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	54.0
5302GB1A	05/30	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5307GB1A	05/30	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5306GB2A	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	6.5
5306GB5A	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5306GBBA	05/30	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC	< 1.0
5307GN3A	05/30	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	32.3
5307GN5A	05/30	NEUTRALIZATION	BLANK	GRAB	14:00-15:00	GC	1.5
5311GB1A	05/31	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
5317GB1A	05/31	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5312GB5A	05/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5317GB5A	05/31	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5312GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	3.0
5317GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.1
5312GN5A	05/31	NEUTRALIZATION	BLANK	GRAB	9:00-10:00	GC	< 1.0
6011GB1A	06/01	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6011GN3A	06/01	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6021GB1A	06/02	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6026GB2A	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	656.0
6022GB5A	06/02	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	2.0
6020GBAA	06/02	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6021GN3A	06/02	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6057GB1A	06/05	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	> 1,000.0
6055GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	126.0
6057GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	> 1,000.0
6058GB4E	06/05	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC/MS	110.0
6056GB5A	06/05	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	1.4

CHLOROFORM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6056GB7E	06/05	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	2.0
6056GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	124.0
6057GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	117.0
6062GB1A	06/06	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
6066GB1A	06/06	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
6063GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	> 1,000.0
6066GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	51.0
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	78.0
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	87.0
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	83.0
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	92.0
6063GB5A	06/06	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	3.6
6066GB5A	06/06	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	1.8
6062GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	103.0
6066GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	109.0
6071GB1A	06/07	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	1.7
6077GB1A	06/07	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6072GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	18.0
6076GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	5.8
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	106.0
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	129.0
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	114.0
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	114.0
6076GB5A	06/07	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	3.0
6071GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	120.0
6077GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	111.0
6081GB1A	06/08	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6087GB1A	06/08	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6086GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6087GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB4A	06/08	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	32.0
6087GB4A	06/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	16.0
6082GB5A	06/08	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	4.0
6088GB5A	06/08	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	1.7
6082GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	40.0
6087GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	24.0
6091GB1A	06/09	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6097GB1A	06/09	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB4A	06/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6097GB4A	06/09	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.0
6092GB5A	06/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	5.1
6097GB5A	06/09	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	2.9
6090GBAA	06/09	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6092GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.1
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	135.0
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	128.0

CHLOROFORM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER	
6122GB4E	06/12	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC/MS	7.0	
6127GB4A	06/12	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	15.5	
6122GB5F	06/12	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	8.0	
6127GB5A	06/12	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	2.3	
6122GN3E	06/12	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	24.0	
6126GN3A	06/12	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	17.5	
6131GB2A	06/13	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	< 1.0	
6136GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0	
6131GB4A	06/13	BACKGRCUND	SLUDGE	GRAB	8:00- 9:00	GC	11.8	
6137GB4A	06/13	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	12.2	
6132GB5A	06/13	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	1.3	
6137GB5A	06/13	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	1.7	
6131GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	8.1	
6137GN3A	06/13	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC	9.4	
6142GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	124.0	
6147GB2A	06/14	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	16.8	
6142GB4A	06/14	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	18.1	
6147GB4A	06/14	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	18.6	
6142GB5A	06/14	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	6.7	
6148GB5A	06/14	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	6.5	
6142GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	19.2	
6147GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	18.6	
6151GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC/MS	82.0	
6156GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	150.0	
6152GB4E	06/15	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC/MS	7.0	
6156GB4E	06/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC/MS	13.0	
6156GB5E	06/15	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS	2.0	
6152GN3E	06/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	7.0	
6161GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	202.0	
6164GB2A	06/16	BACKGRCUND	SPIKED WATER	GRAB	11:00-12:00	GC	393.0	
6165GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	262.0	
6167GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	381.0	
6162GB4A	06/16	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	29.2	
6162GB5A	06/16	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0	
6160GBAA	06/16	BACKGRCUND	LAB BLANK	GRAB		GC	1.5	
6162GN3A	06/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	33.5	
6191GB2A	06/19	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	227.0	
6192GB4A	06/19	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	39.0	
6193GB5A	06/19	BACKGRCUND	BLANK	GRAB	10:00-11:00	GC	< 1.0	
6197GBCA	06/19	BACKGRCUND	SPIKED BLANK	GRAB	14:00-15:00	GC	109.0%REC. 252.6	SPIKE
6198GBCA	06/19	BACKGRCUND	SPIKED BLANK	GRAB	15:00-16:00	GC	69.0%REC. 10.1	SPIKE
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	31.0	
6191GN3A	06/19	NEUTRALIZATION	TREATEC WATER	GRAB	8:00- 9:00	GC	31.0	
6197GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	31.0	
6202GB2A	06/20	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	266.0	
6207GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	380.0	
6202GB4A	06/20	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	32.0	
6207GB4A	06/20	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	33.0	
6203GB5A	06/20	BACKGRCUND	BLANK	GRAB	10:00-11:00	GC	1.7	
6206GB5A	06/20	BACKGRUUND	BLANK	GRAB	13:00-14:00	GC	< 1.0	

CHLOROFORM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6202GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	33.0
6207GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	35.0
6211GB2A	06/21	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	368.0
6211GB4A	06/21	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	35.0
6212GB5A	06/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6217GB5A	06/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6211GN3A	06/21	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	34.0
6212GN8A	06/21	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	1.4
6222GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	323.0
6226GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	314.0
6222GB4A	06/22	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	34.0
6226GB4A	06/22	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	37.0
6222GB5A	06/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6226GB5A	06/22	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6222GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	35.0
6226GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	36.0
6222GN8A	06/22	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	39.0
6231GB2A	06/23	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	255.0
6232GB4A	06/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	41.0
6232GB5A	06/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	5.7
6230GBAA	06/23	BACKGROUND	LAB BLANK	GRAB		GC	3.2
6231GN3A	06/23	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	38.0
6232GN8A	06/23	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	39.0
6262GB2E	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	> 50.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	456.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	461.0
6262GB4E	06/26	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC/MS	190.0
6267GB4A	06/26	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	55.0
6262GB5E	06/26	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	9.0
6264GB5E	06/26	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS	6.0
6267GB5A	06/26	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	4.0
6262GN3E	06/26	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	150.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	54.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	55.0
6272GB5E	06/27	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	2.0
6292GB5E	06/29	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	2.0
6291GBBA	06/29	BACKGROUND	FIELD BLANK	GRAB	8:00- 9:00	GC	2.5
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	130.0%REC. 10.1 SPIKE
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	124.0%REC. 10.1 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	66.0%REC. 10.1 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	68.0%REC. 10.1 SPIKE
6293GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	109.0%REC. 50.5 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	104.0%REC. 252.6 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	107.0%REC. 252.6 SPIKE
6300GBAA	06/30	BACKGROUND	LAB BLANK	GRAB		GC	1.3
7202GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	203.0
7206GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	196.0
7202GB5A	07/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7206GB5A	07/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
7202GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	23.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPL	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
7207GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	21.0
7212GB2A	07/21	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	2.9
7217GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	241.0
7212GB5A	07/21	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	6.1
7217GB5A	07/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
7217GBBA	07/21	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
7216GBCA	07/21	BACKGRCUND	SPIKED BLANK	GRAB	13:00-14:00	GC	93.7%REC. 253.0 SPIKE
7217GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	92.1%REC. 50.5 SPIKE
7218GBCA	07/21	BACKGRCUND	SPIKED BLANK	GRAB	15:00-16:00	GC	94.1%REC. 10.1 SPIKE
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	5.6
7212GN3A	07/21	NEUTRALIZATION	TREATEC WATER	GRAB	9:00-10:00	GC	6.4
7217GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	22.1
7252GB2A	07/25	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	181.0
7258GB5A	07/25	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	5.3
7252GN3A	07/25	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	35.0
7276GB2A	07/27	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	290.0
7276GB4A	07/27	BACKGRCUND	SLUDGE	GRAB	13:00-14:00	GC	207.0
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	193.0
7273GB5A	07/27	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	5.4
7277GBBA	07/27	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
7276GN3A	07/27	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	229.0
8085GB2A	08/08	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	88.0
8087GB4A	08/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	132.0
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	28.0
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	6.1
8080GBBA	08/08	BACKGRCUND	FIELD BLANK	GRAB		GC	1.8
8086GN3A	08/08	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	115.0
8091GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	105.0
8097GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	81.0
8092GB4A	08/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	98.0
8098GB4A	08/09	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	114.0
8092GB5A	08/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	6.3
8098GB5A	08/09	BACKGRCUND	BLANK	GRAB	15:00-16:00	GC	5.3
8091GN3A	C8/09	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	137.0
8097GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	126.0
8107GB1A	08/10	BACKGRCUND	RAW WATER	GRAB	14:00-15:00	GC	3.0
8106GB2A	08/10	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	128.0
8101GB4A	08/10	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	117.0
8107GB4A	08/10	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	123.0
8102GB5A	08/10	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	6.8
8107GB5A	08/10	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	6.6
8103GBBA	08/10	BACKGRCUND	FIELD BLANK	GRAB	10:00-11:00	GC	3.0
8102GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	88.0%REC. 252.6 SPIKE
8103GBCA	08/10	BACKGRCUND	SPIKED BLANK	GRAB	10:00-11:00	GC	93.0%REC. 50.5 SPIKE
8104GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	108.0%REC. 10.1 SPIKF
8101GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	148.0
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	134.0
8107GN3A	08/10	NEUTRALIZATION	TREATED WATFR	GRAB	14:00-15:00	GC	129.0
8112GB2A	08/11	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	97.0
8112GB4A	08/11	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	135.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8112GB5A	08/11	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	4.4
8112GN3A	08/11	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	103.0
8153GB1A	08/15	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8152GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	220.0
8157GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	101.0
8152GB4A	08/15	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	98.0
8156GB4A	08/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	45.0
8152GB5A	08/15	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	3.8
8157GB5A	08/15	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	4.5
8152GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	61.0
8157GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	46.0
8163GB1A	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	4.6
8161GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	911.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	11.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	10.6
8162GB4A	08/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	42.0
8168GB4A	08/16	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	19.0
8161GB5A	08/16	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	8.6
8168GB5A	08/16	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	2.2
8169GBBA	08/16	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 1.0
8162GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	41.0
8168GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	15:00-16:00	GC	29.0
8171GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	61.0
8177GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	29.0
8172GB4A	08/17	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	24.0
8177GB4A	08/17	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	15.7
8172GB5A	08/17	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	4.4
8177GB5A	08/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	6.2
8178GBBA	08/17	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	1.6
8171GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	20.6
8177GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	19.0
8182GB1A	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
8182GB2A	08/18	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	173.0
8182GB4A	08/18	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	15.0
8182GB5A	08/18	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	6.7
8182GBBA	08/18	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
8182GN3A	08/18	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	16.3
8223GB1A	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	2.7
8227GB2A	08/22	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	29.0
8228GB4A	08/22	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	11.1
8224GB5A	08/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC	7.2
8227GBBA	08/22	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	2.0
8227GN3A	08/22	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	5.7
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	15.1
8237GB4A	08/23	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	13.4
8232GB5A	08/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	5.9
8237GB5A	08/23	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	4.0
8237GBBA	08/23	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
8237GBCA	08/23	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	102.0%REC. 50.8 SPIKE

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8232GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	16.1
8238GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	15:00-16:00	GC	12.9
8232GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	11.7
8237GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	11.4
8243GB1A	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8243GB4A	08/24	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	9.0
8247GB4A	08/24	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	6.4
8243GB5A	08/24	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	4.0
8247GB5A	08/24	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	3.3
8248GBBA	08/24	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
8243GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	10:00-11:00	GC	10.5
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	10.1
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	10.7
8243GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	10:00-11:00	GC	6.1
8247GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	5.7
8251GB4A	08/25	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	8.3
8251GB5A	08/25	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	3.0
8251GE3A	08/25	CLARIFIER	TREATED WATER	GRAB	8:00- 9:00	GC	6.0
8251GS3A	08/25	SAND FILTER	TREATED WATER	GRAB	8:00- 9:00	GC	4.5
8282GB4A	08/28	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	15.2
8288GB5A	08/28	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	7.6
8296GB4A	08/29	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	15.1
8293GB5A	08/29	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	7.6
8297GB5A	08/29	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	7.5
8292GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	24.0
8296GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	22.3
8292GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	16.3
8296GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	13:00-14:00	GC	17.1
8302GB4A	08/30	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	19.4
8307GB4A	08/30	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	14.4
8302GB5A	08/30	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	4.4
8307GB5A	08/30	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	4.4
8302GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	17.9
8307GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	15.8
8307GU5A	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	16.8
8302GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	12.8
8307GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	8.4
8312GB4A	08/31	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	24.0
8317GB4A	08/31	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	26.0
8312GB5A	08/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	6.4
8312GBBA	08/31	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
8312GBCA	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	91.8%REC. 254.0 SPIKE
8312GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	16.9
8317GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	15.7
8312GU3A	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	12.9
8317GO3A	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	11.5
9012GB4A	09/01	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	22.0
9017GB4A	09/01	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	16.6
9012GB5A	09/01	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	7.0
9012GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	17.2

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9017GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	15.0
9012GO3A	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	11.4
9017GO3A	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	12.0
9056GB4A	09/05	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	7.2
9056GE3A	09/05	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	16.4
9056GO3A	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	10.2
9062GB4A	09/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	11.6
9067GB4A	09/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	7.5
9061GB5A	09/06	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	5.1
9062GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	10.5
9067GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	12.3
9062GO3A	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	9.9
9067GO3A	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	9.6
9197GB5A	09/19	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	8.1
9202GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	51.0
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	2.1
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	2.5
9202GB4A	09/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	9.0
9208GB4A	09/20	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	7.7
9202GB5A	09/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	8.0
9208GB5A	09/20	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	1.6
9202GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	5.7
9207GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	5.8
9208GO3A	09/20	OZONATION	TREATED WATER	GRAB	15:00-16:00	GC	4.2
9212GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	61.0
9219GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	16:00-17:00	GC	199.0
9212GB4A	09/21	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	4.0
9217GB4A	09/21	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	3.6
9212GB5A	09/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	5.1
9216GB5A	09/21	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	4.3
9212GO3A	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	3.1
9216GO3A	09/21	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	3.1
9217GO3A	09/21	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	1.9
9337GB2A	10/03	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	303.0
9337GB5A	10/03	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	6.1
9337GB8A	10/03	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	1.7
9337GN3A	10/03	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	35.0
9337GO3A	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	30.0
9342GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	383.0
9346GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	339.0
9342GB4A	10/04	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	29.0
9346GB4A	10/04	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	36.0
9342GB5A	10/04	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	7.4
9346GB5A	10/04	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	5.9
9342GB8A	10/04	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	2.5
9342GBCA	10/04	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	88.0%REC. 10.2 SPIKE
9341GC3A	10/04	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9342GC3A	10/04	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
934XGC5A	10/04	CARBON	BLANK	GRAB		GC	225.0
9342GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	32.0

CHLOROFORM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9346GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	31.0
9342GO3A	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	31.0
9346GO3A	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	32.0
9352GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	181.0
9357GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	224.0
9352GB4A	10/05	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	18.6
9357GB4A	10/05	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	20.7
9352GB5A	10/05	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	7.0
9357GB5A	10/05	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	5.9
9352GB8A	10/05	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9352GBCA	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	103.0%REC. 250.0 SPIKE
9351GC3A	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9352GC3A	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
935XGC5A	10/05	CARBON	BLANK	GRAB		GC	206.0
9352GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	22.0
9357GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	20.0
9352GO3A	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	17.0
9357GO3A	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	18.2
9362GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	203.0
9367GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	185.0
9362GB4A	10/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	26.0
9367GB4A	10/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	19.0
9362GB5A	10/06	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	5.7
9367GB5A	10/06	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	5.0
9363GB8A	10/06	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	< 1.0
9363GBCA	10/06	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	95.0%REC. 10.0 SPIKE
9361GC3A	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	3.4
9362GC3A	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	2.1
9363GC3A	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC	178.0
9365GC3A	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC	3.4
9366GC3A	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9367GC3A	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC	160.0
936XGC5A	10/06	CARBON	BLANK	GRAB		GC	189.0
9362GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	25.0
9367GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	22.0
9362GO3A	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	23.0
9367GO3A	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	20.2

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1A	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5126GB1A	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
5126GB5A	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5177GB1A	05/17	BACKGRCUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5176GB5A	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5177GB5A	05/17	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5187GB1A	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5187GB5A	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5193GB1A	05/19	BACKGRCUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
5193GB4E	05/19	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	GC/MS	290.0
5222GB1A	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5227GB1A	05/22	BACKGRCUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5222GB5A	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5227GB5A	05/22	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5238GB1A	05/23	BACKGROUND	RAW WATER	GRAB	15:00-16:00	GC	< 1.0
5233GB5A	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
5232GN3A	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
5257GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
5258GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
5257GB5A	05/25	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5258GBBA	05/25	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
5302GB1A	05/30	BACKGRCUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5307GB1A	05/30	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5306GB2A	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
5306GB5A	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5306GBBA	05/30	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC	< 1.0
5307GN3A	05/30	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
5307GN5A	05/30	NEUTRALIZATION	BLANK	GRAB	14:00-15:00	GC	< 1.0
5311GB1A	05/31	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
5317GB1A	05/31	BACKGRCUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5312GB5A	05/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5317GB5A	05/31	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5312GN3A	05/31	NEUTRALIZATION	TREATEC WATER	GRAB	9:00-10:00	GC	< 1.0
5317GN3A	05/31	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC	< 1.0
5312GN5A	05/31	NEUTRALIZATION	BLANK	GRAB	9:00-10:00	GC	< 1.0
6011GB1A	06/01	BACKGRCUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6011GN3A	06/01	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6021GB1A	06/02	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6026GB2A	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	28.0
6022GB5A	06/02	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6020GBAA	06/02	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6021GN3A	06/02	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6057GB1A	06/05	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	555.0
6055GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	5.4
6057GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	73.0
6056GB5A	06/05	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6057GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.9
6062GB1A	06/06	BACKGRCUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6066GB1A	06/06	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
6063GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	395.0
6066GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	2.0
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	1.8
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	2.2
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.4
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.9
6063GB5A	06/06	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6066GB5A	06/06	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6062GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.1
6066GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	2.3
6071GB1A	06/07	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6077GB1A	06/07	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6072GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	1.0
6076GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.7
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.8
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.1
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.7
6076GB5A	06/07	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6071GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	3.1
6077GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.9
6081GB1A	06/08	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6087GB1A	06/08	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6086GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6087GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB4A	06/08	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6087GB4A	06/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6082GB5A	06/08	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6088GB5A	06/08	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
6082GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.1
6087GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	0.9
6091GB1A	06/09	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6097GB1A	06/09	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB4A	06/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6097GB4A	06/09	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6092GB5A	06/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6097GB5A	06/09	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6090GBAA	06/09	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6092GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	6.2
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	6.2
6127GB4A	06/12	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6127GB5A	06/12	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6126GN3A	06/12	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
6131GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6136GB2A	06/13	BACKGRCUND	SPIKED WATER	GRAB	13:00-14:00	GC	1.0
6131GB4A	06/13	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 1.0
6137GB4A	06/13	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6132GB5A	06/13	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6137GB5A	06/13	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6131GN3A	06/13	NEUTRALIZATION	TREATEC WATER	GRAB	8:00- 9:00	GC	< 1.0
6137GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6142GB2A	06/14	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	5.4
6147GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	1.0
6142GB4A	06/14	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6147GB4A	06/14	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6142GB5A	06/14	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6148GB5A	06/14	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
6142GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6147GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6152GN3E	06/15	NFUTRALIZATION	TREATED WATFR	GRAB	9:00-10:00	GC/MS	13.0
6161GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	9.1
6164GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	11:00-12:00	GC	17.6
6165GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	12.6
6167GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	18.5
6162GB4A	06/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6162GB5A	06/16	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6160GBAA	06/16	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6162GN3A	06/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6191GB2A	06/19	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	10.5
6192GB4A	06/19	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6193GB5A	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6197GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	113.0%REC. 24.9 SPIKE
6198GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	91.0%REC. 1.0 SPIKE
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6197GN3A	06/19	NFUTRALIZATION	TREATED WATFR	GRAB	14:00-15:00	GC	< 1.0
6202GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	12.7
6207GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	17.1
6202GB4A	06/20	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	1.0
6207GB4A	06/20	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6203GB5A	06/20	BACKGRCUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6206GB5A	06/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6202GN3A	06/20	NEUTRALIZATION	TREATEC WATER	GRAB	9:00-10:00	GC	< 1.0
6207GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6211GB2A	06/21	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	15.4
6211GB4A	06/21	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 1.0
6212GB5A	06/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6217GB5A	06/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6211GN3A	06/21	NEUTRALIZATION	TREATEC WATFR	GRAB	8:00- 9:00	GC	< 1.0
6212GN8A	06/21	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	< 1.0
6222GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	13.5
6226GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	13.0
6222GB4A	06/22	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6226GB4A	06/22	BACKGROUND	SLUDGF	GRAB	13:00-14:00	GC	1.2

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6222GB5A	06/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6226GB5A	06/22	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6222GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6226GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
6222GN8A	06/22	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	< 1.0
6231GB2A	06/23	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	10.8
6232GB4A	06/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6232GB5A	06/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6230GBAA	06/23	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6231GN3A	06/23	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6232GN8A	06/23	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	< 1.0
6262GB2E	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	9.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	16.7
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	17.4
6267GB4A	06/26	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.0
6267GB5A	06/26	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6291GBBA	06/29	BACKGROUND	FIELD BLANK	GRAB	8:00- 9:00	GC	< 1.0
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	130.0%REC. 1.0 SPIKE
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	100.0%REC. 1.0 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	90.0%REC. 1.0 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	100.0%REC. 1.0 SPIKE
6293GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	119.0%REC. 5.0 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	100.0%REC. 24.9 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	105.0%REC. 24.9 SPIKE
6300GBAA	06/30	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
7202GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	. 8.3
7206GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	8.3
7202GB5A	07/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7206GB5A	07/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
7202GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.0
7207GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
7212GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
7217GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	9.6
7212GB5A	07/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7217GB5A	07/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
7217GBBA	07/21	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
7216GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	GC	89.1%REC. 24.9 SPIKE
7217GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	91.5%REC. 5.0 SPIKE
7218GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	85.6%REC. 1.0 SPIKE
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
7217GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
7252GB2A	07/25	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	6.5
7258GB5A	07/25	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
7252GN3A	07/25	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
7276GB2A	07/27	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	11.6
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	7.2
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	6.5
7273GB5A	07/27	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
7277GBBA	07/27	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
7276GN3A	07/27	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	8.6
8085GB2A	08/08	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	3.2
8087GB4A	08/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	6.3
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8080GBBA	08/08	BACKGROUND	FIELD BLANK	GRAB		GC	< 1.0
8091GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	4.0
8097GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	2.7
8092GB4A	08/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	3.3
8098GB4A	08/09	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	3.5
8092GB5A	08/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8098GB5A	08/09	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
8091GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	4.7
8097GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	4.3
8107GB1A	08/10	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
8106GB2A	08/10	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	4.4
8101GB4A	08/10	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	3.3
8107GB4A	08/10	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	3.5
8102GB5A	08/10	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8107GB5A	08/10	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8103GBBA	08/10	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	< 1.0
8102GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	86.0%REC. 24.9 SPIKE
8103GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	93.0%REC. 5.0 SPIKE
8104GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	90.0%REC. 1.0 SPIKE
8101GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	5.1
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	4.5
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	4.6
8112GB2A	08/11	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	3.2
8112GB4A	08/11	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	3.9
8112GB5A	08/11	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8112GN3A	08/11	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	3.2
8153GB1A	08/15	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8152GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	7.8
8157GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	3.7
8152GB4A	08/15	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.9
8156GB4A	08/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.0
8152GB5A	08/15	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8157GB5A	08/15	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8152GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.7
8157GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.2
8163GB1A	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8161GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	49.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
8162GB4A	08/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.5
8168GB4A	08/16	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 1.0
8161GB5A	08/16	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 1.0
8168GB5A	08/16	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
8169GBBA	08/16	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8162GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8168GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	15:00-16:00	GC	< 1.0
8171GB2A	08/17	BACKGROUND	SPIKFD WATER	GRAB	8:00- 9:00	GC	2.7
8177GB2A	09/17	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	2.6
8172GB4A	08/17	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8177GB4A	08/17	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8172GB5A	08/17	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8177GB5A	08/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8178GBBA	08/17	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
8171GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
8177GN3A	08/17	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC	< 1.0
8182GB1A	08/18	BACKGRCUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
8182GB2A	08/18	BACKGROUND	SPIKFD WATER	GRAB	9:00-10:00	GC	6.2
8182GB4A	08/18	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8182GB5A	08/18	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8182GBBA	08/18	BACKGROUND	FIFLD BLANK	GRAB	9:00-10:00	GC	< 1.0
8182GN3A	08/18	NFUTRALIZATION	TREATFD WATER	GRAB	9:00-10:00	GC	< 1.0
8223GB1A	08/22	BACKGRCUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8227GB2A	08/22	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	1.2
8228GB4A	08/22	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 1.0
8224GB5A	08/22	BACKGRCUND	BLANK	GRAB	11:00-12:00	GC	< 1.0
8227GBBA	08/22	BACKGROUND	FIFLD BLANK	GRAB	14:00-15:00	GC	< 1.0
8227GN3A	08/22	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.1
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8237GB4A	08/23	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8232GB5A	08/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8237GB5A	08/23	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8237GBBA	08/23	BACKGRCUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
8237GBCA	08/23	BACKGRCUND	SPIKED BLANK	GRAB	14:00-15:00	GC	105.0%REC. 4.9 SPIKF
8232GE3A	08/23	CLARIFIER	TRFATED WATFR	GRAB	9:00-10:00	GC	< 1.0
8238GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	15:00-16:00	GC	< 1.0
8232GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8237GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
8243GB1A	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8243GB4A	08/24	BACKGROUND	SLUDGF	GRAB	10:00-11:00	GC	< 1.0
8247GB4A	08/24	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8243GB5A	08/24	BACKGRCUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
8247GB5A	08/24	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8248GBBA	08/24	BACKGRCUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
8243GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	10:00-11:00	GC	< 1.0
8247GE3A	08/24	CLARIFIER	TRFATED WATFR	GRAB	14:00-15:00	GC	< 1.0
8247GE3A	08/24	CLARIFIER	TREATEC WATER	GRAB	14:00-15:00	GC	< 1.0
8243GS3A	08/24	SAND FILTER	TREAIFD WATER	GRAB	10:00-11:00	GC	< 1.0
8247GS3A	08/24	SAND FILTER	TRFATEC WATER	GRAB	14:00-15:00	GC	< 1.0
8251GB4A	08/25	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 1.0
8251GB5A	08/25	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 1.0
8251GE3A	08/25	CLARIFIER	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
8251GS3A	08/25	SAND FILTER	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8288GB5A	08/28	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
8292GB4A	08/29	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8296GB4A	08/29	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 1.0
8293GB5A	08/29	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
8297GB5A	08/29	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8292GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8296GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
8292GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8296GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
8302GB4A	08/30	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8307GB4A	08/30	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8302GB5A	08/30	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8307GB5A	08/30	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8302GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8307GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
8307GO5A	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	< 1.0
8302GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8307GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
8312GB4A	08/31	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
8317GB4A	08/31	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.0
8312GB5A	08/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8312GBBA	08/31	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
8312GBCA	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	88.5%REC. 24.5 SPIKE
8312GF3A	08/31	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8317GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
8312GO3A	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8317GO3A	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9012GB4A	09/01	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.1
9017GB4A	09/01	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9012GB5A	09/01	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9012GF3A	09/01	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9017GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9012GO3A	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9017GO3A	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9056GB4A	09/05	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 1.0
9056GE3A	09/05	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9056GO3A	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9062GB4A	09/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9067GB4A	09/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9061GB5A	09/06	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 1.0
9062GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9067GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9062GO3A	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9067GO3A	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9197GB5A	09/19	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9202GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	2.1
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9202GB4A	09/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9208GB4A	09/20	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9202GB5A	09/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9208GB5A	09/20	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
9202GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9207GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9208GO3A	09/20	OZONATION	TREATED WATER	GRAB	15:00-16:00	GC	< 1.0
9212GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	2.6
9219GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	16:00-17:00	GC	8.6
9212GB4A	09/21	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9217GB4A	09/21	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9212GB5A	09/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9216GB5A	09/21	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
9212GO3A	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9216GO3A	09/21	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9217GO3A	09/21	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9337GB2A	10/03	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	11.0
9337GB4A	10/03	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9337GB5A	10/03	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9337GB8A	10/03	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
9337GN3A	10/03	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9337GO3A	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9342GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	15.2
9346GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	12.6
9342GB4A	10/04	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9346GB4A	10/04	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 1.0
9342GB5A	10/04	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9346GB5A	10/04	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
9342GB8A	10/04	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9342GBCA	10/04	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	102.0%REC. 1.0 SPIKE
9341GC3A	10/04	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9342GC3A	10/04	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
934XGC5A	10/04	CARBON	BLANK	GRAB		GC	9.2
9342GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9346GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9342GO3A	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9346GO3A	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9352GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	6.8
9357GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	8.6
9352GB4A	10/05	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9357GB4A	10/05	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9352GB5A	10/05	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9357GB5A	10/05	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9352GB8A	10/05	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9352GBCA	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	95.0%REC. 24.3 SPIKE
9351GC3A	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9352GC3A	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
935XGC5A	10/05	CARBON	BLANK	GRAB		GC	7.5
9352GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9357GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9352GO3A	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9357GO3A	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
9362GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC		7.4	
9367GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		7.1	
9362GB4A	10/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	<	1.0	
9367GB4A	10/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0	
9362GB5A	10/06	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
9367GB5A	10/06	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
9363GHBA	10/06	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	<	1.0	
9363GBCA	10/06	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	100.0%REC.	1.0	SPIKE
9361GC3A	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	<	1.0	
9362GC3A	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
9363GC3A	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC		7.3	
9365GC3A	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC	<	1.0	
9366GC3A	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	<	1.0	
9367GC3A	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC		5.9	
936XGC5A	10/06	CARBON	BLANK	GRAB		GC		6.9	
9362GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
9367GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9362GO3A	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
9367GO3A	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1A	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	1.6
5126GB1A	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	0.5
5126GB5A	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	0.9
5177GB1A	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5176GB5A	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	0.6
5177GB5A	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5187GB1A	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5187GB5A	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5193GB1A	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.5
5222GB1A	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 0.1
5227GB1A	05/22	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.1
5222GB5A	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
5227GB5A	05/22	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
5238GB1A	05/23	BACKGROUND	RAW WATER	GRAB	15:00-16:00	GC	< 0.1
5233GB5A	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.1
5232GN3A	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
5257GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.1
5258GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 0.1
5257GB5A	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
5258GBBA	05/25	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 0.1
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	4.0
5266GB2F	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	5.6
5302GB1A	05/30	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 0.1
5307GB1A	05/30	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	0.2
5306GB2A	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	1.5
5306GB5A	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.1
5306GBBA	05/30	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC	< 0.1
5307GN3A	05/30	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC	4.4
5307GN5A	05/30	NEUTRALIZATION	BLANK	GRAB	14:00-15:00	GC	< 0.1
5311GB1A	05/31	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.1
5317GB1A	05/31	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.1
5312GB5A	05/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
5317GB5A	05/31	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.1
5317GBBA	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.1
5312GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.0
5317GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.0
5312GN5A	05/31	NEUTRALIZATION	BLANK	GRAB	9:00-10:00	GC	< 0.1
6011GB1A	06/01	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.1
6011GN3A	06/01	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.1
6021GB1A	06/02	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.5
6026GB2A	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	150.0
6022GB5A	06/02	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
6020GBAA	06/02	BACKGROUND	LAB BLANK	GRAB		GC	< 0.1
6021GN3A	06/02	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
6057GB1A	06/05	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	443.0
6055GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	29.0
6057GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	262.0
6056GB5A	06/05	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.1
6056GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	20.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6057GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	17.5
6062GB1A	06/06	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 0.1
6066GB1A	06/06	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 0.1
6063GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	369.0
6066GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	11.5
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	8.3
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	9.7
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	10.8
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	13.3
6063GB5A	06/06	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	0.4
6066GB5A	06/06	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.1
6062GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	16.0
6066GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	16.4
6071GB1A	06/07	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	0.3
6077GB1A	06/07	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	0.3
6072GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	4.0
6076GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	1.3
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	3.0
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	4.3
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	3.6
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	3.7
6076GB5A	06/07	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	0.2
6071GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	18.1
6077GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	17.4
6081GB1A	06/08	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	0.1
6087GB1A	06/08	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	0.1
6082GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 0.1
6086GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 0.1
6087GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.1
6082GB4A	06/08	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.2
6087GB4A	06/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1
6082GB5A	06/08	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
6088GB5A	06/08	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.1
6082GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	4.9
6087GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.8
6091GB1A	06/09	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.1
6097GB1A	06/09	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.1
6092GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 0.1
6097GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.1
6092GB4A	06/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
6097GB4A	06/09	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1
6092GB5A	06/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
6097GB5A	06/09	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
6090GBAA	06/09	BACKGROUND	LAB BLANK	GRAB		GC	< 0.1
6092GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
6097GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	29.0
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	29.0
6127GB4A	06/12	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.4
6127GB5A	06/12	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6126GN3A	06/12	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	2.4
6131GB2A	06/13	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	< 0.1
6136GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 0.1
6131GB4A	06/13	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.1
6137GB4A	06/13	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1
6132GB5A	06/13	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.3
6137GB5A	06/13	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	0.3
6131GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	1.5
6137GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.5
6142GB2A	06/14	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	28.4
6147GB2A	06/14	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	3.5
6142GB4A	06/14	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.8
6147GB4A	06/14	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.4
6142GB5A	06/14	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	0.2
6148GB5A	06/14	BACKGRCUND	BLANK	GRAB	15:00-16:00	GC	< 0.1
6142GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.4
6147GN3A	06/14	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC	2.2
6151GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC/MS	60.0
6156GB2E	06/15	BACKGRCUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	83.0
6152GB4E	06/15	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC/MS	3.0
6152GN3E	06/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	5.0
6161GB2A	06/16	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	46.6
6164GB2A	06/16	BACKGRCUND	SPIKED WATER	GRAB	11:00-12:00	GC	89.0
6165GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	58.0
6167GB2A	06/16	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	84.0
6162GB4A	06/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.4
6162GB5A	06/16	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.3
6160GBAA	06/16	BACKGROUND	LAB BLANK	GRAB		GC	0.1
6162GN3A	06/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.1
6191GB2A	06/19	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	51.0
6192GB4A	06/19	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	2.7
6193GB5A	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.1
6197GBCA	06/19	BACKGRCUND	SPIKED BLANK	GRAB	14:00-15:00	GC	107.0%REC. 51.7 SPIKE
6198GBCA	06/19	BACKGRCUND	SPIKED BLANK	GRAB	15:00-16:00	GC	33.0%REC. 2.1 SPIKE
6191GN3A	06/19	NEUTRALIZATION	TREATEC WATER	GRAB	8:00- 9:00	GC	4.2
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	4.2
6197GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	4.1
6202GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	61.0
6207GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	85.0
6202GB4A	06/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.8
6207GB4A	06/20	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	1.3
6203GB5A	06/20	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.1
6206GB5A	06/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.1
6202GN3A	06/20	NEUTRALIZATION	TREATEC WATER	GRAB	9:00-10:00	GC	4.3
6207GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	4.6
6211GB2A	06/21	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	81.0
6211GB4A	06/21	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.1
6212GB5A	06/21	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
6217GB5A	06/21	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
6211GN3A	06/21	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	3.8

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6212GN8A	06/21	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	0.1
6222GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	71.0
6226GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	69.0
6222GB4A	06/22	BACKGRCUND	SLUDGF	GRAB	9:00-10:00	GC	0.6
6226GB4A	06/22	BACKGRCUND	SLUDGE	GRAB	13:00-14:00	GC	0.6
6222GB5A	06/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
6226GB5A	06/22	BACKGRCUND	BLANK	GRAB	13:00-14:00	GC	< 0.1
6222GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	3.3
6226GN3A	06/22	NEUTRALIZATION	IRFATED WATER	GRAB	13:00-14:00	GC	4.0
6222GN8A	06/22	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	2.8
6231GB2A	06/23	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	59.0
6232GB4A	06/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	4.2
6232GB5A	06/23	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
6230GBAA	06/23	BACKGROUND	LAB BLANK	GRAB		GC	0.2
6231GN3A	06/23	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	4.6
6232GN8A	06/23	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	5.0
6262GB2E	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	> 50.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	81.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	83.0
6267GB4A	06/26	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.0
6262GB5E	06/26	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC/MS	12.0
6267GB5A	06/26	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
6262GN3E	06/26	NEUTRALIZATION	TREATEC WATER	GRAB	9:00-10:00	GC/MS	9.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	4.6
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	4.9
6291GB8A	06/29	BACKGROUND	FIELD BLANK	GRAB	8:00- 9:00	GC	< 0.1
6291GBCA	06/29	BACKGRCUND	SPIKFD BLANK	GRAB	8:00- 9:00	GC	100.0%REC. 2.1 SPIKE
6291GBCA	06/29	BACKGROUND	SPIKFD BLANK	GRAB	8:00- 9:00	GC	100.0%REC. 2.1 SPIKE
6292GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	95.0%REC. 2.1 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	89.0%REC. 2.1 SPIKE
6293GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	10:00-11:00	GC	113.0%REC. 10.3 SPIKE
6294GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	11:00-12:00	GC	99.0%REC. 51.7 SPIKF
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	102.0%REC. 51.7 SPIKE
6300GBAA	06/30	BACKGRCUND	LAB BLANK	GRAB		GC	< 0.1
7202GB2A	07/20	BACKGROUND	SPIKED WATEP	GRAB	9:00-10:00	GC	47.0
7206GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	46.0
7202GB5A	07/20	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
7206GB5A	07/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.1
7202GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	3.2
7207GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	3.8
7212GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 0.1
7217GB2A	07/21	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	51.0
7212GB5A	07/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
7217GB5A	07/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.1
7217GB8A	07/21	BACKGRCUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.1
7216GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	GC	90.3%REC. 51.7 SPIKE
7217GBCA	07/21	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	94.9%REC. 10.3 SPIKE
7218GBCA	07/21	BACKGRCUND	SPIKED BLANK	GRAB	15:00-16:00	GC	84.5%REC. 2.1 SPIKE
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
7217GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.9
7252GB2A	07/25	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	36.0
7258GB5A	07/25	BACKGRCUND	BLANK	GRAB	15:00-16:00	GC	< 0.1
7252GN3A	07/25	NEUTRALIZATION	TRFATED WATER	GRAB	9:00-10:00	GC	3.7
7276GB2A	07/27	BACKGRCUND	SPIKED WATER	GRAB	13:00-14:00	GC	63.0
7276GB4A	07/27	BACKGRCUND	SLUDGE	GRAB	13:00-14:00	GC	25.0
7276GB4A	07/27	BACKGROUND	SLUDGF	GRAB	13:00-14:00	GC	26.0
7273GB5A	07/27	BACKGRCUND	BLANK	GRAB	10:00-11:00	GC	< 0.1
7277GBBA	07/27	BACKGRCUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.1
7276GN3A	07/27	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	43.0
8085GB2A	08/08	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	14.7
8087GB4A	08/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	4.0
8087GB5A	08/08	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	0.4
8087GB5A	08/08	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	0.5
8080GBBA	08/08	BACKGROUND	FIELD BLANK	GRAB		GC	0.5
8086GN3A	08/08	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	9.7
8091GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	7.5
8097GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	13.3
8092GB4A	08/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.4
8098GB4A	08/09	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	1.0
8092GB5A	08/09	BACKGRCUND	BLANK	GRAR	9:00-10:00	GC	0.4
8098GB5A	08/09	BACKGRCUND	BLANK	GRAB	15:00-16:00	GC	0.3
8091GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	3.1
8097GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
8107GB1A	08/10	BACKGRCUND	RAW WATER	GRAB	14:00-15:00	GC	0.6
8106GB2A	08/10	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	24.0
8101GB4A	08/10	BACKGRCUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.1
8107GB4A	08/10	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	5.2
8102GB5A	C8/10	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	0.3
8107GB5A	08/10	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.3
8103GBBA	08/10	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	0.2
8102GBCA	08/10	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	90.0%REC. 51.7 SPIKE
8103GBCA	08/10	BACKGRCUND	SPIKED BLANK	GRAB	10:00-11:00	GC	92.0%REC. 10.3 SPIKE
8104GBCA	08/10	BACKGRCUND	SPIKED BLANK	GRAB	11:00-12:00	GC	105.0%REC. 2.1 SPIKE
8101GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	13.8
8107GN3A	08/10	NFUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	6.2
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	9.2
8112GB2A	08/11	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	17.0
8112GB4A	08/11	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	16.0
8112GB5A	08/11	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	0.1
8112GN3A	08/11	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	9.6
8153GB1A	08/15	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.1
8152GB2A	08/15	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	51.0
8157GB2A	08/15	BACKGROUND	SPIKFD WATER	GRAB	14:00-15:00	GC	24.0
8152GB4A	08/15	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	0.8
8156GB4A	08/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 0.1
8152GB5A	08/15	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
8157GB5A	08/15	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
8152GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	5.3
8157GN3A	08/15	NEUTRALIZATION	TREATED WATFR	GRAB	14:00-15:00	GC	0.2

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8163GB1A	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	0.1
8161GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	178.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 0.1
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 0.1
8162GB4A	08/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.1
8168GB4A	08/16	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 0.1
8161GB5A	08/16	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	0.2
8168GB5A	08/16	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.1
8169GBBA	08/16	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 0.1
8162GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	0.2
8168GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	15:00-16:00	GC	< 0.1
8171GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	2.6
8177GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	0.6
8172GB4A	08/17	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.6
8177GB4A	08/17	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.5
8172GB5A	08/17	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.7
8177GB5A	08/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.6
8178GBBA	08/17	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	0.6
8171GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	0.5
8177GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
8182GB1A	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	0.1
8182GB2A	08/18	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	0.1
8182GB4A	08/18	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
8182GB5A	08/18	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.2
8182GBBA	08/18	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	0.1
8182GN3A	08/18	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	0.1
8223GB1A	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	0.1
8227GB2A	08/22	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	5.1
8228GB4A	08/22	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	0.2
8224GB5A	08/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC	0.4
8227GBBA	08/22	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.1
8227GN3A	08/22	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.1
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.1
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
8237GB4A	08/23	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1
8232GB5A	08/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
8237GB5A	08/23	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
8237GBBA	08/23	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.1
8237GBCA	08/23	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	102.0%REC. 10.0 SPIKE
8232GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	1.7
8238GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	15:00-16:00	GC	2.1
8232GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	0.1
8237GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	0.2
8243GB1A	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.1
8243GB4A	08/24	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	< 0.1
8247GB4A	08/24	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1
8243GB5A	08/24	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.1

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8247GB5A	08/24	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
8248GBBA	08/24	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 0.1
8243GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	10:00-11:00	GC	1.7
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	1.4
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	1.7
8243GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	10:00-11:00	GC	0.3
8247GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
8251GB4A	08/25	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.1
8251GB5A	08/25	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 0.1
8251GE3A	08/25	CLARIFIER	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.1
8251GS3A	08/25	SAND FILTER	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.1
8288GB5A	08/28	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.1
8292GB4A	08/29	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.1
8296GB4A	08/29	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 0.1
8293GB5A	08/29	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	0.3
8297GB5A	08/29	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.2
8292GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	4.0
8296GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	4.2
8292GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	1.3
8296GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	13:00-14:00	GC	1.5
8302GB4A	08/30	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.2
8307GB4A	08/30	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.3
8302GB5A	08/30	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.2
8307GB5A	08/30	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.2
8302GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	2.1
8307GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	2.4
8307GO5A	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	0.2
8302GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
8307GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
8312GB4A	08/31	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.7
8317GB4A	08/31	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.9
8312GB5A	08/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
8312GBBA	08/31	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 0.1
8312GBCA	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	88.5%REC. 49.8 SPIKE
8312GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	2.5
8317GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	2.8
8312GO3A	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	0.6
8317GO3A	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	0.6
9012GB4A	09/01	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.9
9017GB4A	09/01	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.7
9012GB5A	09/01	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.6
9012GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
9017GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	2.2
9012GO3A	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
9017GO3A	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	0.6
9056GB4A	09/05	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	0.3
9056GE3A	09/05	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	< 0.1
9056GO3A	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 0.1
9062GB4A	09/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
9067GB4A	09/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1

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9061GB5A	09/06	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 0.1
9062GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	0.1
9067GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
9062GO3A	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
9067GO3A	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
9197GB5A	09/19	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.3
9202GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	11.2
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	0.2
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	0.1
9202GB4A	09/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
9208GB4A	09/20	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 0.1
9202GB5A	09/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.4
9208GB5A	09/20	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	0.4
9202GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
9207GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	0.5
9208GO3A	09/20	OZONATION	TREATED WATER	GRAB	15:00-16:00	GC	< 0.1
9212GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	14.2
9219GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	16:00-17:00	GC	47.0
9212GB4A	09/21	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
9217GB4A	09/21	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1
9212GB5A	09/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
9216GB5A	09/21	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.1
9212GO3A	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
9216GO3A	09/21	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 0.1
9217GO3A	09/21	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
9337GB2A	10/03	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	65.0
9337GB4A	10/03	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.6
9337GB5A	10/03	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.7
9337GB8A	10/03	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	0.5
9337GN3A	10/03	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.3
9337GO3A	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	2.0
9342GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	84.0
9346GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	72.0
9342GB4A	10/04	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
9346GB4A	10/04	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 0.1
9342GB5A	10/04	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.7
9346GB5A	10/04	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	0.6
9342GB8A	10/04	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	0.7
9342GBCA	10/04	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	60.0%REC. 2.0 SPIKE
9341GC3A	10/04	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.1
9342GC3A	10/04	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
934XGC5A	10/04	CARBON	BLANK	GRAB		GC	49.0
9342GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.4
9346GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	1.7
9342GO3A	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	2.4
9346GO3A	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	3.2
9352GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	38.0
9357GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	40.0
9352GB4A	10/05	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.1
9357GB4A	10/05	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.1

BENZENE

SAMPLF CCDE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9352GB5A	10/05	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
9357GB5A	10/05	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
9352GBBA	10/05	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 0.1
9352GBCA	10/05	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	90.0%REC. 49.4 SPIKE
9351GC3A	10/05	CARBON	TREATEC WATER	GRAB	8:00- 9:00	GC	< 0.1
9352GC3A	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 0.1
935XGC5A	10/05	CARBON	BLANK	GRAB		GC	44.0
9352GN3A	10/05	NEUTRALIZATION	TREATEC WATER	GRAB	9:00-10:00	GC	0.8
9357GN3A	10/05	NFUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	0.9
9352G03A	10/05	OZONATION	TREATEC WATER	GRAB	9:00-10:00	GC	2.0
9357G03A	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1
9362GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	43.0
9367GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	40.0
9362GB4A	10/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.7
9367GB4A	10/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.7
9362GB5A	10/06	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.1
9367GB5A	10/06	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.1
9363GBBA	10/06	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	< 0.1
9363GBCA	10/06	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	86.0%REC. 2.0 SPIKE
9361GC3A	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	0.7
9362GC3A	10/06	CARBON	TREATEC WATER	GRAB	9:00-10:00	GC	0.6
9363GC3A	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC	40.0
9365GC3A	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC	0.7
9366GC3A	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	0.7
936XGC5A	10/06	CARBON	BLANK	GRAB		GC	42.0
9362GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.4
9367GN3A	10/06	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC	< 0.1
9362G03A	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	1.1
9367G03A	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.1

TETRACHLORCETHENE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1A	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5117GB1E	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS	4.0
5126GB1A	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
5126GB5A	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5177GB1A	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5176GB5A	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5177GB5A	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5187GB1A	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5187GB5A	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5193GB1A	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
5222GB1A	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5227GB1A	05/22	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5222GB5A	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5227GB5A	05/22	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5238GB1A	05/23	BACKGROUND	RAW WATER	GRAB	15:00-16:00	GC	< 1.0
5233GB5A	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
5232GN3A	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
5257GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
5258GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
5257GB5A	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5258GB8A	05/25	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	2.0
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	2.4
5302GB1A	05/30	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
5307GB1A	05/30	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5306GB2A	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
5306GB5A	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5306GB8A	05/30	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC	< 1.0
5307GN3A	05/30	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	3.0
5307GN5A	05/30	NEUTRALIZATION	BLANK	GRAB	14:00-15:00	GC	< 1.0
5311GB1A	05/31	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
5317GB1A	05/31	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
5312GB5A	05/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
5317GB5A	05/31	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GB8A	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GB8A	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
5312GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
5317GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
5312GN5A	05/31	NEUTRALIZATION	BLANK	GRAB	9:00-10:00	GC	< 1.0
6011GB1A	06/01	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6011GN3A	06/01	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6021GB1A	06/02	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6026GB2A	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	89.0
6022GB5A	06/02	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6020GBAA	06/02	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6021GN3A	06/02	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6057GB1A	06/05	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	> 1,000.0
6055GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	16.0
6057GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	208.0
6058GB4E	06/05	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC/MS	15.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6056GB5A	06/05	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6056GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	10.0
6057GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	8.5
6062GB1A	06/06	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
6066GB1A	06/06	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 1.0
6063GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	899.0
6066GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	6.7
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	5.4
6063GB4A	06/06	BACKGRCUND	SLUDGE	GRAB	10:00-11:00	GC	7.1
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	4.6
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	6.3
6063GB5A	06/06	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6066GB5A	06/06	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6062GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	6.8
6066GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	6.9
6071GB1A	06/07	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6077GB1A	06/07	BACKGRCUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6072GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	1.0
6076GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	5.8
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	10.7
6077GB4A	06/07	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	7.9
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	10.6
6076GB5A	06/07	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6071GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	9.5
6077GN3A	06/07	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC	7.4
6081GB1A	06/08	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6087GB1A	06/C8	BACKGRCUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6086GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6087GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6082GB4A	06/08	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.3
6087GB4A	06/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.1
6082GB5A	06/08	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6088GB5A	06/08	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
6082GN3A	06/C8	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.2
6087GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	0.9
6091GB1A	06/09	BACKGRCUND	RAW WATER	GRAB	8:00- 9:00	GC	< 1.0
6097GB1A	06/09	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB2A	06/09	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
6092GB4A	06/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
6097GB4A	06/09	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6092GB5A	06/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6097GB5A	06/09	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6090GBAA	06/09	BACKGRCUND	LAB BLANK	GRAB		GC	< 1.0
6092GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6097GN3A	06/09	NEUTRALIZATION	TREATED WATFR	GRAB	14:00-15:00	GC	< 1.0
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	13.5
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	18.8

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6127GB4A	06/12	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6127GB5A	06/12	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6122GN3E	06/12	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	< 1.0
6126GN3A	06/12	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
6131GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	< 1.0
6136GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
6131GB4A	06/13	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 1.0
6137GB4A	06/13	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
6132GB5A	06/13	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6137GB5A	06/13	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6131GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
6137GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
6142GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	12.8
6147GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	1.8
6142GB4A	06/14	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	1.7
6147GB4A	06/14	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.4
6142GB5A	06/14	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6148GB5A	06/14	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
6142GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.5
6147GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.7
6151GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC/MS	23.0
6156GB2E	06/15	BACKGRCUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	22.0
6152GB4E	06/15	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC/MS	4.0
6156GB4F	06/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC/MS	5.0
6156GB5E	06/15	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS	7.0
6152GN3E	06/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	4.0
6161GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	24.3
6164GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	11:00-12:00	GC	45.0
6165GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	40.0
6167GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	56.0
6162GB4A	06/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.2
6162GB5A	06/16	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6160GBAA	06/16	BACKGRCUND	LAB BLANK	GRAB		GC	< 1.0
6162GN3A	06/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
6191GB2A	06/19	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	35.0
6192GB4A	06/19	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.5
6193GB5A	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6197GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	107.0%REC. 50.8 SPIKE
6198GBCA	06/19	BACKGRCUND	SPIKED BLANK	GRAB	15:00-16:00	GC	75.0%REC. 2.0 SPIKE
6191GN3A	06/19	NEUTRALIZATION	TREATED WATFR	GRAB	8:00- 9:00	GC	1.0
6191GN3A	C6/19	NEUTRALIZATION	TREATEC WATER	GRAB	8:00- 9:00	GC	1.0
6197GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.3
6202GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	41.0
6207GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	56.0
6202GB4A	06/20	BACKGROUND	SLUDGF	GRAB	9:00-10:00	GC	2.0
6207GB4A	06/20	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.2
6203GB5A	06/20	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 1.0
6206GB5A	06/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6202GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.3
6207GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.8

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6211GB2A	06/21	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	49.0
6211GB4A	06/21	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 1.0
6212GB5A	06/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6217GB5A	06/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6211GN3A	06/21	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	1.8
6212GN8A	06/21	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	< 1.0
6222GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	42.0
6226GB2A	06/22	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	41.0
6222GB4A	06/22	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.7
6226GB4A	06/22	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.7
6222GB5A	06/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6226GB5A	06/22	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
6222GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.0
6226GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
6222GN8A	06/22	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	1.2
6231GB2A	06/23	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	31.0
6232GB4A	06/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.5
6232GB5A	06/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
6230GBAA	06/23	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
6231GN3A	06/23	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	1.6
6232GN8A	06/23	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	< 1.0
6262GB2E	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	67.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	50.0
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	53.0
6262GB4E	06/26	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC/MS	12.0
6267GB4A	06/26	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	3.4
6267GB5A	06/26	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
6262GN3E	06/26	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	7.0
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	OBSCURED
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	3.2
6291GB8A	06/29	BACKGROUND	FIELD BLANK	GRAB	8:00- 9:00	GC	< 1.0
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	115.0%REC. 2.0 SPIKE
6291GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	125.0%REC. 2.0 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	60.0%REC. 2.0 SPIKE
6292GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	95.0%REC. 2.0 SPIKE
6293GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	88.0%REC. 10.6 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	92.0%REC. 50.8 SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	97.0%REC. 50.8 SPIKE
6300GBAA	06/30	BACKGROUND	LAB BLANK	GRAB		GC	< 1.0
7202GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	25.0
7206GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	24.0
7202GB5A	07/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7206GB5A	07/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
7202GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
7207GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.6
7212GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
7217GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	27.0
7212GB5A	07/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
7217GB5A	07/21	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
7217GB8A	07/21	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0

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|SAMPLE CODE|DATE |     UNIT       | SAMPLE TYPE | COLLECTION |    TIME     |ANALYSIS|     MICROGRAM/LITER      |
|-----------|-----|----------------|-------------|------------|-------------|--------|--------------------------|
|  7216GBCA |07/21|BACKGRCUND      |SPIKED BLANK |GRAB        |13:00-14:00|GC       | 82.6%REC.     50.8 SPIKE|
|  7217GBCA |07/21|BACKGRCUND      |SPIKED BLANK |GRAB        |14:00-15:00|GC       | 99.4%REC.     10.2 SPIKE|
|  7218GBCA |07/21|BACKGROUND      |SPIKED BLANK |GRAB        |15:00-16:00|GC       | 90.0%REC.      2.0 SPIKE|
|  7212GN3A |07/21|NEUTRALIZATION|TREATED WATER|GRAB         | 9:00-10:00|GC       |         <      1.0      |
|  7212GN3A |07/21|NEUTRALIZATION|TREATED WATER|GRAB         | 9:00-10:00|GC       |         <      1.0      |
|  7217GN3A |07/21|NEUTRALIZATION|TREATED WATER|GRAB         |14:00-15:00|GC       |         <      1.0      |
|  7252GB2A |07/25|BACKGROUND      |SPIKED WATER |GRAB        | 9:00-10:00|GC       |               20.0      |
|  7258GB5A |07/25|BACKGROUND      |BLANK        |GRAB        |15:00-16:00|GC       |         <      1.0      |
|  7252GN3A |07/25|NEUTRALIZATION|TREATED WATER|GRAB         | 9:00-10:00|GC       |                1.8      |
|  7276GB2A |07/27|BACKGROUND      |SPIKED WATER |GRAB        |13:00-14:00|GC       |               35.0      |
|  7276GB4A |07/27|BACKGROUND      |SLUDGE       |GRAB        |13:00-14:00|GC       |               20.0      |
|  7276GB4A |07/27|BACKGROUND      |SLUDGE       |GRAB        |13:00-14:00|GC       |               19.0      |
|  7273GB5A |07/27|BACKGROUND      |BLANK        |GRAB        |10:00-11:00|GC       |         <      1.0      |
|  7277GBBA |07/27|BACKGROUND      |FIELD BLANK  |GRAB        |14:00-15:00|GC       |         <      1.0      |
|  7276GN3A |07/27|NEUTRALIZATION|TREATEC WATER|GRAB         |13:00-14:00|GC       |               24.0      |
|  8085GB2A |08/08|BACKGROUND      |SPIKED WATER |GRAB        |12:00-13:00|GC       |                8.9      |
|  8087GB4A |08/08|BACKGRCUND      |SLUCGE       |GRAB        |14:00-15:00|GC       |               52.0      |
|  8087GB5A |08/08|BACKGRCUND      |BLANK        |GRAB        |14:00-15:00|GC       |         <      1.0      |
|  8087GB5A |08/08|BACKGROUND      |BLANK        |GRAB        |14:00-15:00|GC       |         <      1.0      |
|  8080GBBA |08/08|BACKGRCUND      |FIELD BLANK  |GRAB        |           |GC       |         <      1.0      |
|  8086GN3A |08/08|NEUTRALIZATION|TREATED WATER|GRAB         |13:00-14:00|GC       |               13.5      |
|  8091GB2A |08/09|BACKGRUUND      |SPIKED WATER |GRAB        | 8:00- 9:00|GC       |               15.0      |
|  8097GB2A |08/09|BACKGROUND      |SPIKED WATER |GRAB        |14:00-15:00|GC       |                9.4      |
|  8092GB4A |08/09|BACKGROUND      |SLUDGE       |GRAB        | 9:00-10:00|GC       |               10.6      |
|  8098GB4A |08/09|BACKGROUND      |SLUDGE       |GRAB        |15:00-16:00|GC       |               10.8      |
|  8092GB5A |08/09|BACKGRCUND      |BLANK        |GRAB        | 9:00-10:00|GC       |         <      1.0      |
|  8098GB5A |08/09|BACKGRCUND      |BLANK        |GRAB        |15:00-16:00|GC       |         <      1.0      |
|  8091GN3A |08/09|NEUTRALIZATION|TREATED WATER|GRAB         | 8:00- 9:00|GC       |               15.4      |
|  8097GN3A |08/09|NEUTRALIZATION|TREATEC WATER|GRAB         |14:00-15:00|GC       |               13.8      |
|  8107GB1A |08/10|BACKGRCUND      |RAW WATER    |GRAB        |14:00-15:00|GC       |         <      1.0      |
|  8106GB2A |08/10|BACKGROUND      |SPIKED WATER |GRAB        |13:00-14:00|GC       |               15.5      |
|  8101GB4A |08/10|BACKGROUND      |SLUDGE       |GRAB        | 8:00- 9:00|GC       |                9.8      |
|  8107GB4A |08/10|BACKGRCUND      |SLUDGE       |GRAB        |14:00-15:00|GC       |               10.3      |
|  8102GB5A |08/10|BACKGROUND      |BLANK        |GRAB        | 9:00-10:00|GC       |         <      1.0      |
|  8107GB5A |08/10|BACKGRCUND      |BLANK        |GRAB        |14:00-15:00|GC       |         <      1.0      |
|  8103GBBA |08/10|BACKGRCUND      |FIELD BLANK  |GRAB        |10:00-11:00|GC       |         <      1.0      |
|  8102GBCA |08/10|BACKGRCUND      |SPIKED BLANK |GRAB        | 9:00-10:00|GC       | 72.0%REC.     50.8 SPIKE|
|  8103GBCA |08/10|BACKGRCUND      |SPIKED BLANK |GRAB        |10:00-11:00|GC       | 78.0%REC.     10.2 SPIKE|
|  8104GBCA |08/10|BACKGROUND      |SPIKED BLANK |GRAB        |11:00-12:00|GC       | 74.0%REC.      2.0 SPIKE|
|  8101GN3A |08/10|NEUTRALIZATION|TREATED WATER|GRAB         | 8:00- 9:00|GC       |               13.8      |
|  8107GN3A |08/10|NEUTRALIZATION|TREATED WATER|GRAB         |14:00-15:00|GC       |               13.9      |
|  8107GN3A |08/10|NEUTRALIZATION|TREATED WATER|GRAB         |14:00-15:00|GC       |               13.4      |
|  8112GB2A |08/11|BACKGRCUND      |SPIKED WATER |GRAB        | 9:00-10:00|GC       |                9.5      |
|  8112GB4A |08/11|BACKGRCUND      |SLUDGE       |GRAB        | 9:00-10:00|GC       |               11.8      |
|  8112GB5A |08/11|BACKGROUND      |BLANK        |GRAB        | 9:00-10:00|GC       |         <      1.0      |
|  8112GN3A |08/11|NEUTRALIZATION|TREATED WATER|GRAB         | 9:00-10:00|GC       |                9.6      |
|  8153GB1A |08/15|BACKGROUND      |RAW WATER    |GRAB        |10:00-11:00|GC       |         <      1.0      |
|  8152GB2A |08/15|BACKGROUND      |SPIKED WATER |GRAB        | 9:00-10:00|GC       |               22.0      |
|  8157GB2A |08/15|BACKGROUND      |SPIKED WATER |GRAB        |14:00-15:00|GC       |               13.0      |
|  8152GB4A |08/15|BACKGROUND      |SLUDGE       |GRAB        | 9:00-10:00|GC       |                9.9      |
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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8156GB4A	08/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	3.6
8152GB5A	08/15	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8157GB5A	08/15	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8152GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	4.8
8157GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	3.6
8163GB1A	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8161GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	250.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	3.2
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	2.7
8168GB4A	08/16	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	3.7
8161GB5A	08/16	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 1.0
8168GB5A	08/16	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
8169GB8A	08/16	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 1.0
8162GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.1
8168GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	15:00-16:00	GC	3.1
8171GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	9.0
8177GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	7.1
8172GB4A	08/17	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	3.4
8177GB4A	08/17	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
8172GB5A	08/17	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8177GB5A	08/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8178GB8A	08/17	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 1.0
8171GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	3.6
8177GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	3.5
8182GB1A	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
8182GB2A	08/18	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	24.0
8182GB4A	08/18	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.3
8182GB5A	08/18	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8182GB8A	08/18	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
8182GN3A	08/18	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
8223GB1A	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8227GB2A	08/22	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	4.0
8228GB4A	08/22	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	1.0
8224GB5A	08/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC	< 1.0
8227GB8A	08/22	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
8227GN3A	08/22	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	5.7
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	3.0
8237GB4A	08/23	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	3.4
8232GB5A	08/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
8237GB5A	08/23	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
8237GB8A	08/23	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
8237GBCA	08/23	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	95.7%REC. 9.8 SPIKE
8232GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	3.2
8238GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	15:00-16:00	GC	2.8
8232GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	3.0
8237GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	2.5
8243GB1A	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 1.0
8243GB4A	08/24	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	3.6

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
8247GB4A	08/24	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	<	1.0	
8243GB5A	08/24	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	<	1.0	
8247GB5A	08/24	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8248GBBA	08/24	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	<	1.0	
8243GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	10:00-11:00	GC		2.6	
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8243GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	10:00-11:00	GC		2.1	
8247GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8251GB4A	08/25	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC		1.5	
8251GB5A	08/25	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	<	1.0	
8251GE3A	08/25	CLARIFIER	TREATED WATER	GRAB	8:00- 9:00	GC	<	1.0	
8251GS3A	08/25	SAND FILTER	TREATED WATER	GRAB	8:00- 9:00	GC	<	1.0	
8288GB5A	08/28	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	<	1.0	
8292GB4A	08/29	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		2.3	
8296GB4A	08/29	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC		1.4	
8293GB5A	08/29	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	<	1.0	
8297GB5A	08/29	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8292GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		2.0	
8296GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC		2.2	
8292GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC		1.3	
8296GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	13:00-14:00	GC		1.5	
8302GB4A	08/30	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		3.0	
8307GB4A	08/30	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		1.5	
8302GB5A	08/30	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8307GB5A	08/30	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8302GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		1.2	
8307GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC		1.8	
8307GO5A	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	<	1.0	
8302GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8307GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8312GB4A	08/31	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		4.4	
8317GB4A	08/31	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		3.5	
8312GB5A	08/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
8312GBBA	08/31	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	<	1.0	
8312GBCA	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	94.3%REC.	49.1	SPIKE
8312GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		1.1	
8317GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8312GO3A	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	<	1.0	
8317GO3A	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9013GB1E	09/01	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC/MS		31.0	
9012GB4A	09/01	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		3.7	
9017GB4A	09/01	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		2.6	
9012GB5A	09/01	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	<	1.0	
9012GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC		2.4	
9017GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC		1.5	
9012GO3A	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC		1.6	
9017GO3A	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
9056GB4A	09/05	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC		3.1	
9056GE3A	09/05	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC		2.6	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9056G03A	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9062GB4A	09/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.5
9067GB4A	09/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.5
9061GB5A	09/06	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 1.0
9062GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	1.7
9067GE3A	09/06	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	1.9
9062G03A	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9067G03A	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9197GB5A	09/19	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9202GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	7.5
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9207GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9202GB4A	09/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9208GB4A	09/20	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 1.0
9202GB5A	09/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9208GB5A	09/20	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 1.0
9202GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9207GE3A	09/20	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9208G03A	09/20	OZONATION	TREATED WATER	GRAB	15:00-16:00	GC	1.1
9212GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
9219GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	16:00-17:00	GC	< 1.0
9212GB4A	09/21	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9217GB4A	09/21	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9212GB5A	09/21	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9216GB5A	09/21	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
9212G03A	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9216G03A	09/21	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9217G03A	09/21	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9337GB2A	10/03	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9337GB4A	10/03	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9337GB5A	10/03	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9337GB8A	10/03	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 1.0
9337GN3A	10/03	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9337G03A	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9342GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
9346GB2A	10/04	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
9342GB4A	10/04	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9346GB4A	10/04	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 1.0
9342GB5A	10/04	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9346GB5A	10/04	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
9342GB8A	10/04	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9342GBCA	10/04	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	87.0%REC. 2.0 SPIKE
9341GC3A	10/04	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9342GC3A	10/04	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
934XGC5A	10/04	CARBON	BLANK	GRAB		GC	< 1.0
9342GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9346GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9342G03A	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9346G03A	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9352GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9357GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9352GB4A	10/05	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9357GB4A	10/05	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9352GB5A	10/05	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9357GB5A	10/05	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9352GBBA	10/05	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 1.0
9352GBCA	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	76.0%REC. 50.5 SPIKE
9351GC3A	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9352GC3A	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
935XGC5A	10/05	CARBON	BLANK	GRAB		GC	< 1.0
9352GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.4
9357GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9352GO3A	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9357GO3A	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	1.1
9362GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 1.0
9367GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
9362GB4A	10/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 1.0
9367GB4A	10/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 1.0
9362GB5A	10/06	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 1.0
9367GB5A	10/06	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
9363GBBA	10/06	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	< 1.0
9363GBCA	10/06	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	96.0%REC, 2.0 SPIKE
9361GC3A	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 1.0
9362GC3A	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9363GC3A	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC	< 1.0
9365GC3A	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC	< 1.0
9366GC3A	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9367GC3A	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
936XGC5A	10/06	CARBON	BLANK	GRAB		GC	< 1.0
9362GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9367GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9362GO3A	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9367GO3A	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1A	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5126GB1A	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	0.6
5126GB5A	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	1.0
5177GB1A	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5176GB5A	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.5
5177GB5A	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5187GB1A	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5187GB5A	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5193GB1A	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.5
5193GB6E	C5/19	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	GC/MS	220.0
5222GB1A	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 0.5
5227GB1A	05/22	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5222GB5A	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
5227GB5A	05/22	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5238GB1A	05/23	BACKGROUND	RAW WATER	GRAB	15:00-16:00	GC	< 0.5
5233GB5A	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.5
5232GN3A	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
5257GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.5
5258GB2A	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 0.5
5257GB5A	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5258GB8A	05/25	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 0.5
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	2.5
5266GB2E	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	3.1
5302GB1A	05/30	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 0.5
5307GB1A	05/30	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5306GB2A	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	0.9
5306GB5A	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.5
5306GB8A	05/30	BACKGROUND	FIELD BLANK	GRAB	13:00-14:00	GC	< 0.5
5307GN3A	05/30	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.5
5307GN5A	05/30	NEUTRALIZATION	BLANK	GRAB	14:00-15:00	GC	< 0.5
5311GB1A	05/31	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.5
5317GB1A	05/31	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
5312GB5A	05/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
5317GB5A	05/31	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
5317GB8A	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.5
5317GB8A	05/31	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.5
5312GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
5317GN3A	05/31	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
5312GN5A	05/31	NEUTRALIZATION	BLANK	GRAB	9:00-10:00	GC	< 0.5
6011GB1A	06/01	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.5
6011GN3A	06/01	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
6021GB1A	06/02	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.5
6026GB2A	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	94.0
6022GB5A	06/02	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
6020GB8A	06/02	BACKGROUND	LAB BLANK	GRAB		GC	< 0.5
6021GN3A	06/02	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
6057GB1A	06/05	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	678.0
6055GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	18.2
6057GB2A	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	256.0
6056GB5A	06/05	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.5

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6054GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	13.0
6057GN3A	06/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	11.3
6062GB1A	06/06	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 0.5
6066GB1A	06/06	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC	< 0.5
6063GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	249.0
6066GB2A	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	6.9
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	5.6
6063GB4A	06/06	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	6.4
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	7.4
6066GB4A	06/06	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	8.8
6063GB5A	06/06	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	1.6
6066GB5A	06/06	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.5
6062GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	10.6
6066GN3A	06/06	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	10.4
6069GN8E	06/06	NEUTRALIZATION	SPECIAL TYPE	GRAB	16:00-17:00	GC/MS	2.0
6071GB1A	06/07	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.5
6077GB1A	06/07	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	0.8
6072GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	3.1
6076GB2A	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	1.3
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.9
6072GB4A	06/07	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2.9
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.1
6077GB4A	06/07	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	2.4
6076GB5A	06/07	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	0.6
6071GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	11.7
6077GN3A	06/07	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	11.3
6081GB1A	06/08	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.5
6087GB1A	06/08	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
6082GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 0.5
6086GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 0.5
6087GB2A	06/08	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.5
6082GB4A	06/08	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
6087GB4A	06/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
6082GB5A	06/08	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
6088GB5A	06/08	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.5
6082GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	3.6
6087GN3A	06/08	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.6
6091GB1A	06/09	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC	< 0.5
6097GB1A	06/09	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	< 0.5
6092GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 0.5
6097GB2A	06/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.5
6092GB4A	06/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
6097GB4A	06/09	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
6092GB5A	06/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
6097GB5A	06/09	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
6090GBAA	06/09	BACKGROUND	LAB BLANK	GRAB		GC	< 0.5
6092GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
6097GN3A	06/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	19.2
6126GB2A	06/12	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	18.5

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6127GB4A	06/12	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	0.6
6127GB5A	06/12	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.6
6122GN3E	06/12	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	1.0
6126GN3A	06/12	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	1.8
6131GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	< 0.5
6136GB2A	06/13	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	0.2
6131GB4A	06/13	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.5
6137GB4A	06/13	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
6132GB5A	06/13	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	0.7
6137GB5A	06/13	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	0.5
6131GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	1.3
6137GN3A	06/13	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.2
6142GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	17.8
6147GB2A	06/14	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	1.5
6142GB4A	06/14	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
6147GB4A	06/14	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.0
6142GB5A	06/14	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
6148GB5A	06/14	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.5
6142GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.1
6147GN3A	06/14	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	0.9
6151GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC/MS	27.0
6156GB2E	06/15	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC/MS	29.0
6156GB5E	06/15	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS	4.0
6156GN3E	06/15	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC/MS	5.0
6161GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	29.4
6164GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	11:00-12:00	GC	57.0
6165GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	38.0
6167GB2A	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	56.0
6162GB4A	06/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
6162GB5A	06/16	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
6160GBA4	06/16	BACKGROUND	LAB BLANK	GRAB		GC	< 0.5
6162GN3A	06/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
6191GB2A	06/19	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	34.1
6192GB4A	06/19	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.7
6193GB5A	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.5
6197GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	108.0%REC. 51.8 SPIKE
6198GBCA	06/19	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	63.0%REC. 2.1 SPIKE
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	OBSCURED
6191GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	3.0
6197GN3A	06/19	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	2.7
6202GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	40.0
6207GB2A	06/20	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	55.0
6202GB4A	06/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.9
6207GB4A	06/20	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.0
6203GB5A	06/20	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.5
6206GB5A	06/20	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.5
6202GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.8
6207GN3A	06/20	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	3.1
6211GB2A	06/21	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	52.0
6211GB4A	06/21	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.5

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
6212GB5A	06/21	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	<	0.5	
6217GB5A	06/21	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	<	0.5	
6211GN3A	06/21	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC		2.7	
6212GN8A	06/21	NEUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC	<	0.5	
6222GB2A	06/22	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC		46.0	
6226GB2A	06/22	BACKGRCUND	SPIKED WATER	GRAB	13:00-14:00	GC		45.0	
6222GB4A	06/22	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC		0.7	
6226GB4A	06/22	BACKGROUND	SLUDGF	GRAB	13:00-14:00	GC		0.7	
6222GB5A	06/22	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	<	0.5	
6226GB5A	06/22	BACKGRCUND	BLANK	GRAB	13:00-14:00	GC	<	0.5	
6222GN3A	06/22	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		2.0	
6226GN3A	06/22	NEUTRALIZATION	TREATEC WATER	GRAB	13:00-14:00	GC		2.3	
6722GN8A	06/22	NFUTRALIZATION	SPECIAL TYPE	GRAB	9:00-10:00	GC		2.0	
6231GB2A	06/23	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC		38.0	
6232GB4A	06/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC		3.0	
6232GB5A	06/23	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC		1.0	
6230GBAA	06/23	BACKGRCUND	LAB BLANK	GRAB		GC		0.5	
6231GN3A	06/23	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC		3.2	
6232GN8A	06/23	NEUTRALIZATIGN	SPECIAL TYPE	GRAB	9:00-10:00	GC		3.7	
6262GB2E	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS		45.0	
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC		48.0	
6267GB2A	06/26	BACKGROUND	SPIKED WATER	GPAB	14:00-15:00	GC		49.0	
6267GB4A	06/26	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC		1.4	
6267GB5A	06/26	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	<	0.5	
6267GN3A	06/26	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		4.4	
6267GN3A	06/26	NEUTRALIZATION	TRFATED WATER	GRAB	14:00-15:00	GC		3.2	
6291GBBA	06/29	BACKGRCUND	FIELD BLANK	GRAB	8:00- 9:00	GC		0.5	
6291GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	116.0%REC.	2.1	SPIKE
6291GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	8:00- 9:00	GC	116.0%REC.	2.1	SPIKE
6292GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	110.0%REC.	2.1	SPIKE
6292GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	105.0%REC.	2.1	SPIKE
6293GBCA	06/29	BACKGRCUND	SPIKED BLANK	GRAB	10:00-11:00	GC	114.0%REC.	10.4	SPIKE
6294GBCA	06/29	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	99.0%REC.	51.8	SPIKE
6294GBCA	06/29	BACKGROUND	SPIKFD BLANK	GRAB	11:00-12:00	GC	102.0%REC.	51.8	SPIKE
6300GBAA	06/30	BACKGROUND	LAB BLANK	GRAB		GC	<	0.5	
7202GB2A	07/20	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC		28.0	
7206GB2A	07/20	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		29.0	
7202GB5A	07/20	BACKGROUND	BLANK	CRAB	9:00-10:00	GC	<	0.5	
7206GB5A	07/20	BACKGRCUND	BLANK	GRAB	13:00-14:00	GC	<	0.5	
7202GN3A	07/20	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC		0.8	
7207GN3A	07/20	NEUTPALIZATION	TREATED WATER	GRAB	14:00-15:00	GC		2.1	
7212GB2A	07/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	<	0.5	
7217GB2A	07/21	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC		30.0	
7212GB5A	07/21	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	<	0.5	
7217GB5A	07/21	BACKGRCUND	BLANK	GRAB	14:00-15:00	GC	<	0.5	
7217GBBA	07/21	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	<	0.5	
7216GBCA	07/21	BACKGRCUND	SPIKED BLANK	GRAB	13:00-14:00	GC	90.2%REC.	51.8	SPIKE
7217GBCA	07/21	BACKGRCUND	SPIKED BLANK	GRAB	14:00-15:00	GC	98.9%REC.	10.4	SPIKE
7218GBCA	07/21	BACKGRCUND	SPIKFD BLANK	GRAB	15:00-16:00	GC	118.0%REC.	2.1	SPIKE
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	<	0.5	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
7212GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
7217GN3A	07/21	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	0.6
7252GB2A	07/25	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	21.0
7258GB5A	07/25	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.5
7252GN3A	07/25	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	2.0
7276GB2A	07/27	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	37.0
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	13.1
7276GB4A	07/27	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	13.4
7273GB5A	07/27	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.5
7277GBBA	07/27	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.5
7276GN3A	07/27	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	23.0
8085GB2A	08/08	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	7.8
8087GB4A	08/08	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8087GB5A	08/08	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8080GBBA	08/08	BACKGROUND	FIELD BLANK	GRAB		GC	< 0.5
8086GN3A	08/08	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	2.0
8091GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	1.8
8097GB2A	08/09	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	7.3
8092GB4A	08/09	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8098GB4A	08/09	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 0.5
8092GB5A	08/09	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8098GB5A	08/09	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.5
8091GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
8097GN3A	08/09	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8107GB1A	08/10	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC	0.5
8106GB2A	08/10	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	14.5
8101GB4A	08/10	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.5
8107GB4A	08/10	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	1.0
8102GB5A	08/10	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8107GB5A	08/10	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8103GBBA	08/10	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	< 0.5
8102GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	89.0%REC. 51.8 SPIKE
8103GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	97.0%REC. 10.4 SPIKE
8104GBCA	08/10	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	148.0%REC. 2.1 SPIKE
8101GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	4.1
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8107GN3A	08/10	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.7
8112GB2A	08/11	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	10.1
8112GB4A	08/11	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	6.3
8112GB5A	08/11	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8112GN3A	08/11	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	3.3
8153GB1A	08/15	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.5
8152GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	31.0
8157GB2A	08/15	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	16.8
8152GB4A	08/15	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8156GB4A	08/15	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 0.5
8152GB5A	08/15	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8157GB5A	08/15	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8152GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	0.6

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8157GN3A	08/15	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8163GB1A	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.5
8161GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	197.0
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 0.5
8168GB2A	08/16	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 0.5
8162GB4A	08/16	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.5
8168GB4A	08/16	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 0.5
8161GB5A	08/16	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 0.5
8168GB5A	08/16	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.5
8169GB8A	08/16	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 0.5
8162GN3A	08/16	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	0.8
8168GN3A	08/16	NEUTRALIZATION	TREATEC WATER	GRAB	15:00-16:00	GC	< 0.5
8171GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	0.7
8177GB2A	08/17	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.5
8172GB4A	08/17	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8177GB4A	08/17	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
8172GB5A	08/17	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8177GB5A	08/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8178GB8A	08/17	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 0.5
8171GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
8177GN3A	08/17	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8182GB1A	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 0.5
8182GB2A	08/18	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	< 0.5
8182GB4A	08/18	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8182GB5A	08/18	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8182GB8A	08/18	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 0.5
8182GN3A	08/18	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
8223GB1A	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.5
8227GB2A	08/22	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	2.6
8228GB4A	08/22	BACKGROUND	SLUDGE	GRAB	15:00-16:00	GC	< 0.5
8224GB5A	08/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC	< 0.5
8227GB8A	08/22	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.5
8227GN3A	08/22	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
6237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.5
8237GB2A	08/23	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.5
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8232GB4A	08/23	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8237GB4A	08/23	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
8232GB5A	08/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8237GB5A	08/23	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8237GB8A	08/23	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.5
8237GBCA	08/23	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	103.0%REC. 10.0 SPIKE
8232GE3A	08/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	0.8
8238GE3A	08/23	CLARIFIER	TREATEC WATER	GRAB	15:00-16:00	GC	< 0.5
8232GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
8237GS3A	08/23	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8243GB1A	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	< 0.5
8243GB4A	08/24	BACKGROUND	SLUDGE	GRAB	10:00-11:00	GC	< 0.5
8247GB4A	08/24	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
8243GB5A	08/24	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.5

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8247GB5A	08/24	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8248GB8A	08/24	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	GC	< 0.5
8243GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	10:00-11:00	GC	1.0
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8247GE3A	08/24	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8243GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	10:00-11:00	GC	< 0.5
8247GS3A	08/24	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8251GB4A	08/25	BACKGROUND	SLUDGE	GRAB	8:00- 9:00	GC	< 0.5
8251GB5A	08/25	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 0.5
8251GE3A	08/25	CLARIFIER	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
8251GS3A	08/25	SAND FILTER	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
8288GB5A	08/28	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	< 0.5
8292GB4A	08/29	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	1.4
8296GB4A	08/29	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	< 0.5
8293GB5A	08/29	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	< 0.5
8297GB5A	08/29	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8292GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	2.1
8296GE3A	08/29	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	2.3
8292GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	0.5
8296GS3A	08/29	SAND FILTER	TREATED WATER	GRAB	13:00-14:00	GC	0.5
8302GB4A	08/30	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8307GB4A	08/30	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
8302GB5A	08/30	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8307GB5A	08/30	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
8302GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	0.8
8307GE3A	08/30	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	1.2
6307G05A	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	< 0.5
8302GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
8307GS3A	08/30	SAND FILTER	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
8312GB4A	08/31	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
8317GB4A	08/31	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
8312GB5A	08/31	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
8312GB8A	08/31	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 0.5
8312GBCA	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	90.8%REC. 49.9 SPIKE
8312GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	1.2
8317GE3A	08/31	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	1.2
8312G03A	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
8317G03A	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
9012GB4A	09/01	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	0.7
9017GB4A	09/01	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
9012GB5A	09/01	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
9012GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
9017GE3A	09/01	CLARIFIER	TREATED WATER	GRAB	14:00-15:00	GC	0.9
9012G03A	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
9017G03A	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
9056GB4A	09/05	BACKGROUND	SLUDGE	GRAB	13:00-14:00	GC	1.0
9056GE3A	09/05	CLARIFIER	TREATED WATER	GRAB	13:00-14:00	GC	< 0.5
9056G03A	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 0.5
9062GB4A	09/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
9067GB4A	09/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5

TOLUENF

SAMPLE CODE	DATE	UNIT	SAMPLF TYPE	COLLFCTION	TIME	ANALYSIS	MICROGRAM/LITER
9061GB5A	09/06	BACKGROUND	BLANK	GRAB	8:00- 9:00	GC	< 0.5
9062GF3A	09/06	CLARIFIER	TREATEC WATFR	GRAB	9:00-10:00	GC	< 0.5
9067GE3A	09/06	CLARIFIER	TREATEC WATER	GRAB	14:00-15:00	GC	< 0.5
9062G03A	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
9067G03A	09/06	OZONATION	TREATEC WATER	GRAB	14:00-15:00	GC	< 0.5
9197GB5A	09/19	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
9202GB2A	09/20	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	6.8
9207GB2A	09/20	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 0.5
9207GB2A	09/20	BACKGROUND	SPIKFD WATER	GRAB	14:00-15:00	GC	< 0.5
9202GB4A	09/20	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
9208GB4A	09/20	BACKGRCUND	SLUDGE	GRAB	15:00-16:00	GC	< 0.5
9202GB5A	09/20	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
9208GB5A	09/20	BACKGRCUND	BLANK	GRAB	15:00-16:00	GC	< 0.5
9202GE3A	09/20	CLARIFIER	TREATEC WATER	GRAB	9:00-10:00	GC	< 0.5
9207GE3A	09/20	CLARIFIER	TREATEC WATER	GRAB	14:00-15:00	GC	< 0.5
9208G03A	09/20	OZONATION	TREATED WATER	GRAB	15:00-16:00	GC	< 0.5
9212GB2A	09/21	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	8.4
9219GB2A	09/21	BACKGROUND	SPIKFD WATER	GRAB	16:00-17:00	GC	31.0
9212GB4A	09/21	BACKGRCUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
9217GB4A	09/21	BACKGROUND	SLUDGF	GRAB	14:00-15:00	GC	< 0.5
9212GB5A	09/21	BACKGRCUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
9216GB5A	09/21	BACKGRCUND	BLANK	GRAB	13:00-14:00	GC	< 0.5
9212G03A	09/21	OZONATION	TREATEC WATER	GRAB	9:00-10:00	GC	< 0.5
9216G03A	09/21	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 0.5
9217G03A	09/21	OZONATION	TREATFC WATER	GRAB	14:00-15:00	GC	< 0.5
9337GB2A	10/03	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	39.0
9337GB4A	10/03	BACKGRCUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
9337GB5A	10/03	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
9337GBBA	10/03	BACKGRCUND	FIELD BLANK	GRAB	14:00-15:00	GC	< 0.5
9337GN3A	10/03	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	1.4
9337G03A	10/03	OZONATION	TREATEC WATER	GRAB	14:00-15:00	GC	1.1
9342GB2A	10/04	BACKGRCUND	SPIKED WATER	GRAB	9:00-10:00	GC	53.0
9346GB2A	10/04	BACKGROUND	SPIKFD WATER	GRAB	13:00-14:00	GC	44.0
9342GB4A	10/04	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
9346GB4A	10/04	BACKGRCUND	SLUDGE	GRAB	13:00-14:00	GC	< 0.5
9342GB5A	10/04	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
9346GB5A	10/04	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 0.5
9342GBBA	10/04	BACKGRCUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 0.5
9342GBCA	10/04	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	95.0%REC. 2.0 SPIKE
9341GC3A	10/04	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
9342GC3A	10/04	CARBON	TREATEC WATER	GRAB	9:00-10:00	GC	< 0.5
934XGC5A	10/04	CARBON	BLANK	GRAB		GC	32.0
9342GN3A	10/04	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	1.2
9346GN3A	10/04	NEUTRALIZATION	TREATED WATFR	GRAB	13:00-14:00	GC	0.9
9342G03A	10/04	OZONATION	TREATEC WATFR	GRAB	9:00-10:00	GC	1.3
9346G03A	10/04	OZONATION	TREATEC WATFR	GRAB	13:00-14:00	GC	1.5
9352GB2A	10/05	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	24.0
9357GB2A	10/05	BACKGRCUND	SPIKED WATER	GRAB	14:00-15:00	GC	30.0
9352GB4A	10/05	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
9357GB4A	10/05	BACKGRCUND	SLUDGE	GRAD	14:00-15:00	GC	< 0.5

TOLUENE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9352GB5A	10/05	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
9357GB5A	10/05	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
9352GBBA	10/05	BACKGROUND	FIELD BLANK	GRAB	9:00-10:00	GC	< 0.5
9352GBCA	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	86.0%REC. 49.0 SPIKE
9351GC3A	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
9352GC3A	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
935XGC5A	10/05	CARBON	BLANK	GRAB		GC	25.5
9352GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
9357GN3A	10/05	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
9352GO3A	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	2.1
9357GO3A	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
9362GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	25.0
9367GB2A	10/06	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	24.0
9362GB4A	10/06	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	< 0.5
9367GB4A	10/06	BACKGROUND	SLUDGE	GRAB	14:00-15:00	GC	< 0.5
9362GB5A	10/06	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	< 0.5
9367GB5A	10/06	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 0.5
9363GBBA	10/06	BACKGROUND	FIELD BLANK	GRAB	10:00-11:00	GC	< 0.5
9363GBCA	10/06	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	76.0%REC. 2.0 SPIKE
9361GC3A	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	< 0.5
9362GC3A	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	<. 0.5
9363GC3A	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC	24.0
9365GC3A	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC	< 0.5
9366GC3A	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	< 0.5
9367GC3A	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC	20.0
936XGC5A	10/06	CARBON	BLANK	GRAB		GC	23.0
9362GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
9367GN3A	10/06	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5
9362GO3A	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 0.5
9367GO3A	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 0.5

CARBON TETRACHLORIDE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5176GB5E	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS	0.3
5193GB6E	05/19	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	GC/MS	61.0

FLUORCTRICHLORCMETHANE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5232GB5E	05/23	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	2.6
5233GB5E	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC/MS	11.0

DIFLUORO-DICHLOROMETHANE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5241GB1E	05/24	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	GC/MS	200.0
5244GB5E	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS	75.0
5243GN3E	05/24	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	GC/MS	73.0

BROMOFORM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5255GB1E	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	GC/MS	9.4

1,1,2,2-TETRACHLOROETHANE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5255G01E	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	GC/MS	25.0

CHLOROBENZENE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6056GB7E	06/05	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	< 1.0

ETHYLBENZENE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9343GB7E	10/04	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	2.0

APPENDIX C-2

SEMIVOLATILE ORGANICS DATA

DI-N-BUTHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1F	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS	2.0
5177GB1F	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS	60.0
5257GB2B	05/25	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	< 1.0
5258GB2B	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
5258GB2B	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	< 1.0
5257GB5B	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC	< 1.0
5257GBDB	05/25	BACKGROUND	SPIKED SAMPLE	GRAB	14:00-15:00	GC	179.0%REC. 76.0 SPIKE
5257GNAB	05/25	NEUTRALIZATION	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
5256GNCB	05/25	NEUTRALIZATION	SPIKED BLANK	GRAB	13:00-14:00	GC	76.0%REC. 76.0 SPIKE
5266GB2B	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	< 1.0
5306SB1B	05/30	BACKGROUND	RAW WATER	6 HR. COMP.	13:00-14:00	GC	< 1.0
5306GB2B	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	470.0
5306GB2B	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	440.0
5306GB5B	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC	< 1.0
5308LB5B	05/30	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	< 1.0
5309LB5B	05/30	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	< 1.0
5302SB5B	05/30	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	< 1.0
5303SB5B	05/30	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
5309GBAB	05/30	BACKGROUND	LAB BLANK	GRAB	16:00-17:00	GC	< 1.0
5309GBCB	05/30	BACKGROUND	SPIKED BLANK	GRAB	16:00-17:00	GC	84.0%REC. 76.0 SPIKE
5307SBDB	05/30	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	GC	87.0%REC. 76.0 SPIKE
5307SN3B	05/30	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	160.0
5307LN5B	05/30	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	< 1.0
5306GNAB	05/30	NEUTRALIZATION	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
5306GNCB	05/30	NEUTRALIZATION	SPIKED BLANK	GRAB	13:00-14:00	GC	78.0%REC. 76.0 SPIKE
5311LB1B	05/31	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	2.0
5311LB1B	05/31	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
5317SB1B	05/31	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
5317SB1B	05/31	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
5317LB5B	05/31	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	5.0
5312SB5B	05/31	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	< 1.0
5317GBAB	05/31	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GBCB	05/31	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	88.0%REC. 76.0 SPIKE
5311LN3B	05/31	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	370.0
5317SN3B	05/31	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	190.0
5317LN5B	05/31	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	10.0
5313SN5B	05/31	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
5311LNDB	05/31	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	GC	39.0%REC. 76.0 SPIKE
6011LB1B	06/01	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
6011LB1B	06/01	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
6017LB5B	06/01	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	5.0
6012LN3B	06/01	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	89.0
6017LN5B	06/01	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	4.0
6021LB1B	06/02	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	3.0
6026GB2B	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	470.0
6021LN3B	06/02	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
6057SB1B	06/05	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	94.0
6055GB2B	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	15,000.0
6057GB2B	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	20.0
6059GB5B	06/05	BACKGROUND	BLANK	GRAB	16:00-17:00	GC	20.0

DI-N-BUTHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6058LB5B	06/05	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	2.0
6054SB5B	06/05	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	2.0
6050GB7F	06/05	BACKGROUND	SURFACE WATER	GRAB		GC/MS	2.0
6056GN3B	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	200.0
6057SN3B	06/05	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	240.0
6058LN5B	06/05	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	2.0
6054SN5B	06/05	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	GC	7.0
6061LB1B	06/06	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
6067SB1B	06/06	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	31.0
6063GB2B	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	61.0
6066GB2B	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	3,300.0
6067SB4B	06/06	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	5,400.0
6068LB5B	06/06	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	5.0
6069LB5B	06/06	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	16.0
6063SB5B	06/06	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	6.0
6064SB5B	06/06	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	96.0
6061LN3B	06/06	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	210.0
6061LN3B	06/06	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	220.0
6067SN3B	06/06	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	480.0
6068LN5B	06/06	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	7.0
6063SN5B	06/06	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	9.0
6071LB1B	06/07	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	4.0
6077SB1B	06/07	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	15.0
6077SB1B	06/07	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	17.0
6072GB2B	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	470.0
6076GB2B	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	11,000.0
6071LB4B	06/07	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	8,000.0
6077SB4B	06/07	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	6,900.0
6077LB5B	06/07	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	49.0
6078LB5B	06/07	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	82.0
6072SB5B	06/07	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	12.0
6073SB5B	06/07	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	5.0
6071LN3B	06/07	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	470.0
6077LN5B	06/07	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	20.0
6073SN5B	06/07	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	9.0
6081LB1B	06/08	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	2.0
6081LB1B	06/08	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	32.0
6086SB1B	06/08	BACKGROUND	RAW WATER	6 HR. COMP.	13:00-14:00	GC	59.0
6086SB1B	06/08	BACKGROUND	RAW WATER	6 HR. COMP.	13:00-14:00	GC	47.0
6082GB2B	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	68.0
6082GB2B	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	66.0
6082LB4B	06/08	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	3,100.0
6087SB4B	06/08	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	160.0
6087LB5B	06/08	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	67.0
6088LB5B	06/08	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	40.0
6082SB5B	06/08	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	3.0
6083SB5B	06/08	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	3.0
6081LN3B	06/08	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	220.0
6087SN3B	06/08	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	220.0
6083SN5B	06/08	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	14.0

DI-N-BUTHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6091SB1B	06/09	BACKGROUND	RAW WATER	6 HR. COMP.	8:00- 9:00	GC	47.0
6097SB1B	06/09	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
6092GB2B	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	120.0
6092GB2B	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	120.0
6092LB4B	06/09	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	100.0
6097SB4B	0E/09	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	120.0
6092SB5B	06/09	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	37.0
6093SB5B	C6/09	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	15.0
6092LN3B	06/09	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	100.0
6097SN3B	06/09	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	18.0
6093SN5B	06/09	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	81.0
6122GB2D	06/12	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	120.0
6126SB2B	06/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	170.0
6126SB2B	06/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	320.0
6126SB4B	06/12	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-,4:00	GC	430.0
6127LB5B	06/12	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	12.0
6128LB5B	06/12	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	12.0
6122SB5B	06/12	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	< 1.0
6123SB5B	06/12	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	8.0
6122GN3D	06/12	NEUTRALIZATION	TREATED WATER	GRAB	9:06-10:00	GC/MS	450.0
6126SN3B	06/12	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	130.0
6127LN5B	06/12	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	12.0
6123SN5B	06/12	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	9.0
6123GNAB	06/12	NEUTRALIZATION	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
6123GNCB	06/12	NEUTRALIZATION	SPIKED BLANK	GRAB	10:00-11:00	GC	85.0%REC. 76.0 SPIKE
6131LB2B	06/13	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	310.0
6136SB2B	06/13	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	270.0
6136SB2B	06/13	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	250.0
6131LB4B	06/13	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	2.0
6137SB4B	06/13	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	68.0
6137LB5B	0E/13	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	11.0
6132SB5B	06/13	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	< 1.0
6133SB5B	06/13	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	16.0
6131LN3B	06/13	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	170.0
6136SN3B	06/13	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	25.0
6137LN5B	06/13	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	9.0
6133SN5B	C6/13	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	8.0
6142LB2B	06/14	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	280.0
6147SB2B	06/14	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	43.0
6142LB4B	06/14	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	22.0
6147SB4B	06/14	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	170.0
6147LB5B	06/14	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	86.0
6148LB5B	06/14	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	18.0
6142SB5B	06/14	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	6.0
6143SB5B	C6/14	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	9.0
6142LN3B	06/14	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	16.0
6147SN3B	06/14	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	370.0
6148LN5B	06/14	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	61.0
6143SN5B	06/14	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	10.0
6151LB2B	06/15	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	390.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6151LB2B	06/15	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	400.0
6156SB2B	06/15	BACKGRCUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	220.0
6152LB4B	06/15	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	160.0
6156SB4B	06/15	BACKGRCUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	830.0
6156LB5B	06/15	BACKGROUND	BLANK	16 HR. COMP.	13:00-14:00	GC	9.0
6157LB5B	06/15	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	< 1.0
6152SB5B	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	4.0
6153SB5B	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	9.0
6152LN3B	06/15	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	25.0
6156SN3B	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	< 1.0
6156SN3B	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	< 1.0
6157LN5B	06/15	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	4.0
6152SN5B	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	7.0
6164GB2B	06/16	BACKGROUND	SPIKED WATER	GRAB	11:00-12:00	GC	2,500.0
6165GB2B	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	2,600.0
6167GB2B	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	26.0
6161LB2B	06/16	BACKGRCUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	410.0
6162LB4B	06/16	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	44.0
6161LN3B	06/16	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	370.0
6191GB2B	06/19	BACKGRCUND	SPIKED WATER	GRAB	8:00- 9:00	GC	110.0
6197SB2B	06/19	BACKGRCUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	530.0
6192GB4B	06/19	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2,200.0
6197SB4B	06/19	BACKGRCUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	420.0
6193GB5B	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	10.0
6197LB5B	06/19	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	8.0
6198LB5B	06/19	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	5.0
6192SB5B	06/19	BACKGRCUND	BLANK	6 HR. COMP.	9:00-10:00	GC	6.0
6193SB5B	06/19	BACKGRCUND	BLANK	6 HR. COMP.	10:00-11:00	GC	13.0
6191GBAB	06/19	BACKGROUND	LAB BLANK	GRAB	8:00- 9:00	GC	< 1.0
6191GN3B	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	450.0
6197SN3B	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	520.0
6198LN5B	06/19	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	6.0
6192SN5B	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	11.0
6202LB2B	06/20	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	480.0
6207SB2B	06/20	BACKGRCUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	640.0
6202LB4B	06/20	BACKGRCUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	480.0
6207SB4B	06/20	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	3,800.0
6206LB5B	06/20	BACKGRCUND	BLANK	16 HR. COMP.	13:00-14:00	GC	7.0
6207LB5B	06/20	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	4.0
6203SB5B	06/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	4.0
6203GBAG	06/20	BACKGRCUND	LAB BLANK	GRAB	10:00-11:00	AA	< 1.0
6202LN3B	06/20	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	400.0
6207SN3B	06/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	550.0
6207LN5B	06/20	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	33.0
6203SN5B	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	14.0
6204SN5B	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	GC	5.0
6211LB2B	06/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	590.0
6211LB4B	06/21	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	3,300.0
6217LB5B	06/21	BACKGRCUND	BLANK	16 HR. COMP.	14:00-15:00	GC	6.0
6218LB5B	06/21	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	8.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6211LN3B	06/21	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	550.0
6211LN3B	06/21	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	550.0
6217LN5B	06/21	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	14.0
6222LB2B	06/22	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	690.0
6227SB2B	06/22	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	650.0
6222LB4B	06/22	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	1,300.0
6226SB4B	06/22	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	2,300.0
6221SB5B	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	GC	29.0
6222SB5B	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	7.0
6226SB5B	06/22	BACKGROUND	BLANK	6 HR. CCMP.	13:00-14:00	GC	9.0
6227SB5B	06/22	BACKGROUND	BLANK	6 HR. COMP.	14:00-15:00	GC	11.0
6222GE3B	06/22	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	570.0
6222LN3B	06/22	NEUTRALIZATION	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC	570.0
6226SN3B	06/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	370.0
6222SN5B	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	6.0
6227SN5B	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	GC	5.0
6231LB2B	06/23	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	520.0
6231LB2B	06/23	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	530.0
6231LB4B	06/23	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	2,600.0
6232GBAB	06/23	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
6232GE3B	06/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	640.0
6231LN3B	06/23	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	370.0
6262GB2B	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	400.0
6267SB2B	06/26	BACKGROUND	SPIKED WATER	6 HR. CCMP.	14:00-15:00	GC	400.0
6262GB4B	06/26	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	2,100.0
6267SB4B	06/26	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	400.0
6262GB5B	06/26	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	10.0
6268GB5B	06/26	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	11.0
6263SB5B	06/26	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	6.0
6264SB5B	06/26	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	6.0
6267GBAB	06/26	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
6262GN3B	06/26	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	360.0
6267SN3B	06/26	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	380.0
6267SN3B	06/26	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	400.0
6268GN5B	06/26	NEUTRALIZATION	BLANK	GRAB	15:00-16:00	GC	7.0
6263SN5B	06/26	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	18.0
6277GBBB	06/27	BACKGROUND	SPECIAL TYPE	GRAB	14:00-15:00	GC	< 1.0
6283GBAB	06/28	BACKGROUND	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
6292GB5F	06/29	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	2.6
6298GBAB	06/29	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC	< 1.0
6306GBAB	06/30	BACKGROUND	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
7198LB5B	07/19	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	21.0
7199GBBB	07/19	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 1.0
7199GBBB	07/19	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	< 1.0
7199GBCB	07/19	BACKGROUND	SPIKED BLANK	GRAB	16:00-17:00	GC	57.0%REC. 450.0 SPIKE
7199LN5B	07/19	NEUTRALIZATION	BLANK	16 HR. COMP.	16:00-17:00	GC	59.0
7202LB2B	07/20	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	2,000.0
7206SB2B	07/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	1,500.0
7208LB5B	07/20	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	3.0
7203SB5B	07/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	4.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
7202LN3B	C7/20	NELTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	310.0
7206SN3B	07/20	NFUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	290.0
7207LN5B	07/20	NEUTPALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	< 1.0
7202SN5B	C7/20	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	6.0
7212LB2B	07/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	3,000.0
7217SB2B	07/21	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	340.0
7217SB2B	07/21	BACKGROUND	SPIKED WATER	6 HR. CCMP.	14:00-15:00	GC	350.0
7213SB5B	07/21	BACKGRCUND	BLANK	6 HP. COMP.	10:00-11:00	GC	4.0
7217GBAB	07/21	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
7212LN3B	07/21	NEUTRALIZATION	TRFATED WATER	16 HR. CCMP.	9:00-10:00	GC	300.0
7217SN3B	07/21	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	1,300.0
7213SN5B	07/21	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	6.0
7248LB5B	07/24	BACKGRCUND	BLANK	16 HR. COMP.	15:00-16:00	GC	47.0
7248LN5B	07/24	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	8.0
7252LB2B	07/25	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	2,200.0
7252LB2B	07/25	BACKGRCUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	2,100.0
7252LN3B	07/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	2,900.0
7276SB2B	07/27	BACKGRCUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	290.0
7276SB2B	07/27	BACKGROUND	SPIKFD WATER	6 HR. COMP.	13:00-14:00	GC	280.0
7276SB4B	07/27	BACKGRCUND	SLUCGE	6 HR. COMP.	13:00-14:00	GC	6,200.0
7276SB4B	07/27	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	3,000.0
7276LB5B	07/27	BACKGROUND	BLANK	16 HR. COMP.	13:00-14:00	GC	5.0
7277LB5B	07/27	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	5.0
7273SB5B	07/27	BACKGROUND	BLANK	6 HR. CCMP.	10:00-11:00	GC	6.0
7274SB5B	07/27	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	2.0
7276SN3B	07/27	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	270.0
7276LN5B	07/27	NEUTRALIZATION	BLANK	16 HR. COMP.	13:00-14:00	GC	5.0
7273SN5B	07/27	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	3.0
8086SB2B	08/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	170.0
8086SB2B	08/08	BACKGROUND	SPIKFD WATER	6 HR. CCMP.	13:00-14:00	GC	170.0
8086SB4B	08/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	6,500.0
8087LB5B	08/08	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	2.0
8088LB5B	08/08	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	1.0
8082SB5B	08/08	BACKGRCUND	BLANK	6 HR. COMP.	9:00-10:00	GC	2.0
8083SB5B	08/08	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	1.0
8084SB5B	08/08	BACKGRCUND	BLANK	6 HR. COMP.	11:00-12:00	GC	2.0
8086GBAB	08/08	BACKGROUND	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
8086GBCB	08/08	BACKGRCUND	SPIKED BLANK	GRAB	13:00-14:00	GC	83.0%REC. 74.0 SPIKE
8086SN3B	08/08	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	2.0
8087LN5B	08/08	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	7.0
8086SND8	08/08	NFUTRALIZATION	SPIKFD SAMPLE	6 HR. COMP.	13:00-14:00	GC	78.0%REC. 74.0 SPIKE
8091LB2B	08/09	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
8091LB2B	08/09	BACKGROUND	SPIKFD WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
8097SB2B	08/09	BACKGRCUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	140.0
8092LB4B	C8/09	BACKGRCUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	< 1.0
8097SB4B	08/09	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	< 1.0
8099LB5B	08/09	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	< 1.0
8092SB5B	C8/09	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	5.0
8093SB5B	08/09	BACKGRCUND	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
8097GBAB	08/09	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0

DI-N-BUTHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
8097GBCB	08/09	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	63.0%REC.	74.0	SPIKE
8091LN3B	08/09	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC		17.0	
8097SN3B	08/09	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	<	1.0	
8098LN5B	08/09	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	<	1.0	
8092SN5B	08/09	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	<	1.0	
8102LB2B	08/10	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		190.0	
8102LB2B	08/10	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		160.0	
8106SB2B	08/10	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	<	1.0	
8106SB2B	08/10	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC		160.0	
8102LB4B	08/10	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	<	1.0	
8102LB4B	C8/10	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	<	1.0	
8107SB4B	08/10	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	<	1.0	
8107SB4B	08/10	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	<	1.0	
8107LB5B	08/10	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	
8108LB5B	08/10	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	<	1.0	
8102SB5B	C8/10	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	<	1.0	
8103SB5B	08/10	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	<	1.0	
8102GBAB	08/10	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	<	1.0	
8102LN3B	08/10	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	<	1.0	
8107SN3B	08/10	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	<	1.0	
8107SN3B	08/10	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	<	1.0	
8107LN5B	08/10	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	
8102SN5B	08/10	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	<	1.0	
8112LB2B	08/11	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		97.0	
8112LB2B	08/11	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		110.0	
8112LB4B	C8/11	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC		20.0	
8112GBAB	08/11	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	<	1.0	
8112LN3B	08/11	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC		39.0	
8148LB5B	08/14	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC		2.0	
8149LB5B	08/14	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC		4.0	
8147LN5B	08/14	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC		3.0	
8153GB1B	08/15	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC		4.0	
8152LB2B	08/15	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		220.0	
8152LB2B	08/15	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		220.0	
8156SB2B	08/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC		170.0	
8152LB4B	08/15	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	<	1.0	
8156SB4B	08/15	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC		50.0	
8157LB5B	08/15	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	
8158LB5B	08/15	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	<	1.0	
8153SB5B	08/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	<	1.0	
8154SB5B	08/15	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC		33.0	
8152LN3B	C8/15	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC		23.0	
8157SN3B	08/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC		9.0	
8157LN5B	C8/15	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	
8153SN5B	08/15	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	<	1.0	
8163GB1B	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC		30.0	
8161LB2B	08/16	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC		2,600.0	
8161LB2B	08/16	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC		2,300.0	
8168SB2B	08/16	BACKGROUND	SPIKED WATER	6 HR. COMP.	15:00-16:00	GC		105.0	
8162LB4B	08/16	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	<	1.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8168SB4B	08/16	BACKGROUND	SLUDGE	6 HR. COMP.	15:00-16:00	GC	29.0
8168LB5B	08/16	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	2.0
8169LB5B	08/16	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	5.0
8162SB5B	08/16	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	3.0
8163SB5B	08/16	BACKGRCUND	BLANK	6 HR. CCMP.	10:00-11:00	GC	8.0
8162GBCB	08/16	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	93.0%REC. 74.0 SPIKE
8161LN3B	08/16	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	15.0
8168SN3B	08/16	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	GC	< 1.0
8168LN5B	08/16	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	3.0
8162SN5B	08/16	NEUTRALIZATION	BLANK	6 HR. COMP.	15:00-16:00	GC	3.0
8161LNDB	08/16	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	GC	68.0%REC. 74.0 SPIKE
8171LB2B	08/17	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	169.0
8171LB2B	08/17	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	142.0
8177SB2B	08/17	BACKGROUND	SPIKED WATER	6 HR. COMP.	8:00- 9:00	GC	20.0
8172LB4B	08/17	BACKGROUND	SLUDGE	16 HR. COMP.	14:00-15:00	GC	< 1.0
8177SB4B	08/17	BACKGROUND	SLUDGE	6 HR. COMP.	9:00-10:00	GC	13.0
8178LB5B	08/17	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	3.0
8179LB5B	08/17	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	< 1.0
8172SB5B	08/17	BACKGROUND	BLANK	6 HR. COMP.	16:00-17:00	GC	2.0
8173SB5B	08/17	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	3.0
8172GBCB	08/17	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	89.0%REC. 74.0 SPIKE
8171LN3B	08/17	NEUTRALIZATION	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC	< 1.0
8177SN3B	08/17	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	8:00- 9:00	GC	25.0
8178LN5B	08/17	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	4.0
8172SN5B	08/17	NEUTRALIZATION	BLANK	6 HR. COMP.	15:00-16:00	GC	3.0
8182GB1B	08/18	BACKGRCUND	RAW WATER	GRAB	9:00-10:00	GC	3.0
8182GB1B	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	4.0
8182LB2B	08/18	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	35.0
8182LB2B	08/18	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	33.0
8182LB4B	08/18	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	22.0
8183GBAB	08/18	BACKGRCUND	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
8182GBCB	08/18	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	88.0%REC. 74.0 SPIKE
8183GBCB	08/18	BACKGRCUND	SPIKED BLANK	GRAB	10:00-11:00	GC	91.0%REC. 74.0 SPIKF
8182LN3B	08/18	NEUTRALIZATION	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC	< 1.0
8223GB1B	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	29.0
8228SB4B	08/22	BACKGROUND	SLUDGE	6 HR. COMP.	15:00-16:00	GC	< 10.0
8228LB5B	08/22	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	5.0
8229LB5B	08/22	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	3.0
8222SB5B	08/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	2.0
8223SB5B	08/22	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	3.0
8224SB5B	08/22	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	4.0
8223GBAB	08/22	BACKGRCUND	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
8227SN3B	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
8227SN3B	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
8228LN5B	08/22	NEUTRALIZATION	BLANK	16 HR. CCMP.	15:00-16:00	GC	5.0
8229LN5B	08/22	NEUTRALIZATION	BLANK	16 HR. COMP.	16:00-17:00	GC	< 1.0
8224SN5B	08/22	NEUTRALIZATION	BLANK	6 HR. CCMP.	11:00-12:00	GC	4.0
8233LB2B	08/23	BACKGROUND	SPIKED WATER	16 HR. CCMP.	10:00-11:00	GC	60.0
8233LB2B	08/23	BACKGROUND	SPIKED WATER	16 HR. COMP.	10:00-11:00	GC	54.0
8237SB2B	08/23	BACKGRCUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
8232LB4B	08/23	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	<	10.0	
8237SB4B	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	<	60.0	
8238LB5B	08/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	<	1.0	
8239LB5B	08/23	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	<	1.0	
8233SB5B	08/23	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC		1.0	
8234SB5B	08/23	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC		4.0	
8232LE3B	08/23	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	<	1.0	
8238SE3B	08/23	CLARIFIER	TREATED WATER	6 HR. COMP.	15:00-16:00	GC		3.0	
8238SE3B	08/23	CLARIFIER	TREATED WATER	6 HR. COMP.	15:00-16:00	GC		2.0	
8234SE5B	08/23	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	GC	<	1.0	
8232LS3B	08/23	SAND FILTER	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC	<	1.0	
8233SS5B	08/23	SAND FILTER	BLANK	6 HR. COMP.	10:00-11:00	GC	<	1.0	
8243GB1B	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	<	1.0	
8243LB2B	08/24	BACKGROUND	SPIKED WATER	16 HR. COMP.	10:00-11:00	GC	<	1.0	
8247SB2B	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC		47.0	
8247SB2B	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC		70.0	
8243LB4B	08/24	BACKGROUND	SLUDGE	16 HR. COMP.	10:00-11:00	GC	<	10.0	
8247SB4B	08/24	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	<	10.0	
8247LB5B	08/24	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	
8248LB5B	08/24	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	<	1.0	
8244SB5B	08/24	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC		62.0	
8245SB5B	08/24	BACKGROUND	BLANK	6 HR. COMP.	12:00-13:00	GC		4.0	
8243GBAB	08/24	BACKGROUND	LAB BLANK	GRAB	10:00-11:00	GC	<	1.0	
8244GBAB	08/24	BACKGROUND	LAB BLANK	GRAB	11:00-12:00	GC		2.0	
8248GBAB	08/24	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC		3.0	
8244GBCB	08/24	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	61.0%REC.	74.0	SPIKE
8248GBCB	08/24	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	84.0%REC.	74.0	SPIKE
8247SE3B	08/24	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	<	1.0	
8247LE5B	08/24	CLARIFIER	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	
8244SE5B	08/24	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	GC		5.0	
8247GN3B	08/24	NEUTRALIZATION	TREATED WATER	GRAB	14:00-15:00	GC	<	1.0	
8243LS3B	08/24	SAND FILTER	TREATED WATER	16 HR. COMP.	10:00-11:00	GC		4.0	
8247SS3B	08/24	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	<	1.0	
8244SS5B	08/24	SAND FILTER	BLANK	6 HR. COMP.	11:00-12:00	GC		6.0	
8251LB2B	08/25	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC		68.0	
8251LB2B	08/25	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC		85.0	
8251LB4B	08/25	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC		320.0	
8251LE3B	08/25	CLARIFIER	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	<	1.0	
8251LS3B	08/25	SAND FILTER	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC		4.0	
8288LB5B	08/28	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC		4.0	
8288LE5B	08/28	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC		3.0	
8288LS5B	08/28	SAND FILTER	BLANK	16 HR. COMP.	15:00-16:00	GC		6.0	
8292LB2B	08/29	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		109.0	
8292LB2B	08/29	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		116.0	
8296SB2B	08/29	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC		126.0	
8296SB2B	08/29	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC		128.0	
8292LB4B	08/29	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC		33.0	
8296SB4B	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	<	60.0	
8297LB5B	08/29	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	
8297LB5B	08/29	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	<	1.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8292SB5B	08/29	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	6.0
8293SB5B	08/29	BACKGRCUND	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
8296GBAB	08/29	BACKGROUND	LAB BLANK	GRAB	13:00-14:00	GC	1.0
8296GBCB	08/29	BACKGRCUND	SPIKED BLANK	GRAB	13:00-14:00	GC	104.0%REC. 74.0 SPIKE
8292LE3B	08/29	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	100.0
8296SE3B	08/29	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	121.0
8297LE5B	08/29	CLARIFIER	BLANK	16 HR. COMP.	14:00-15:00	GC	6.0
8293SE5B	08/29	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC	3.0
8296SFDB	08/29	CLARIFIER	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	GC	46.0%REC. 74.0 SPIKE
8292LS3B	08/29	SAND FILTER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	< 1.0
8296SS3B	08/29	SAND FILTER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	< 1.0
8297LS5B	08/29	SAND FILTER	BLANK	16 HR. COMP.	14:00-15:00	GC	< 1.0
8293SS5B	08/29	SAND FILTER	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
8302LB2B	C8/30	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	170.0
8302LB4B	08/30	BACKGRCUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	< 60.0
8307SB4B	08/30	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	190.0
8302LB5B	08/30	BACKGROUND	BLANK	16 HR. CCMP.	9:00-10:00	GC	6.0
8307LB5B	08/30	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	< 1.0
8304SB5B	08/30	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	< 1.0
8302GBAB	08/30	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
8302GBCB	08/30	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	108.0%REC. 74.0 SPIKE
8302LE3B	08/30	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	< 1.0
8307SE3B	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	133.0
8307SE3B	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	93.0
8308LE5B	08/30	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC	3.0
8303SE5B	08/30	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
8307GO5B	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	< 1.0
8308GO5B	08/30	OZONATION	BLANK	GRAB	15:00-16:00	GC	< 1.0
8302LS3B	08/30	SAND FILTER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	< 1.0
8308LS5B	08/30	SAND FILTER	BLANK	16 HR. CUMP.	15:00-16:00	GC	1.0
8304SS5B	08/30	SAND FILTER	BLANK	6 HR. COMP.	11:00-12:00	GC	< 1.0
8312LB2B	08/31	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	110.0
8316SB2B	08/31	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	120.0
8316SB2B	08/31	BACKGRCUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	75.0
8312LB4B	08/31	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	8.0
8317SB4B	08/31	BACKGRCUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	11.0
8317LB5B	08/31	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	3.0
8318LB5B	08/31	BACKGROUND	BLANK	16 HR. CCMP.	15:00-16:00	GC	2.0
8313SB5B	08/31	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	11.0
8314SB5B	08/31	BACKGRCUND	BLANK	6 HR. COMP.	11:00-12:00	GC	13.0
8312GBCB	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	82.0%REC. 74.0 SPIKE
8312LE3B	08/31	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	130.0
8317SE3B	08/31	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
8318LE5B	08/31	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC	3.0
8313SE5B	08/31	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
8312GO3B	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	140.0
8317GO3B	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	< 1.0
9012LB2B	09/01	BACKGROUND	SPIKED WATER	16 HR. CCMP.	9:00-10:00	GC	130.0
9017SB2B	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
9017SB2B	09/01	BACKGRCUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0

DI-N-BUTHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9012LB4B	09/01	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	< 20.0
9017SB4B	09/01	BACKGRCUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	43.0
9011SB5B	09/01	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	GC	2.0
9012SB5B	09/01	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	1.0
9012GBAB	09/01	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	1.0
9012GBCB	09/01	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	91.0%REC. 74.0 SPIKE
9012LE3B	09/01	CLARIFIER	TREATED WATFR	16 HR. COMP.	9:00-10:00	GC	< 1.0
9017SE3B	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	< 1.0
9012SF5B	09/01	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	GC	1.0
9012G03B	09/01	OZONATION	TREATEC WATER	GRAB	9:00-10:00	GC	< 1.0
9017G03B	09/01	OZONATION	TREATEC WATER	GRAB	14:00-15:00	GC	< 1.0
9056SB2B	09/05	BACKGROUND	SPIKFD WATER	6 HR. COMP.	13:00-14:00	GC	< 1.0
9057LB5B	09/05	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	< 1.0
9058LB5B	09/05	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	3.0
9052SB5B	09/05	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	1.0
9053SB5B	09/05	BACKGRCUND	BLANK	6 HR. COMP.	10:00-11:00	GC	2.0
9052GBAB	09/05	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	1.0
9052GBCB	09/05	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	72.0%REC. 74.0 SPIKE
9056SE3B	09/05	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	< 1.0
9057LE5B	09/05	CLARIFIER	BLANK	16 HR. COMP.	14:00-15:00	GC	1.0
9052SE5B	09/05	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	GC	3.0
9056G03B	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	< 1.0
9062LB2B	09/06	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	< 1.0
9062LB2B	09/06	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	< 1.0
9062SB5B	09/06	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	2.0
9062LE3B	09/06	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	< 1.0
9066SE3B	09/C6	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	< 1.0
9067LE5B	09/06	CLARIFIER	BLANK	16 HR. COMP.	14:00-15:00	GC	2.0
9062SE5B	09/06	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	GC	2.0
9062G03B	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9067G03B	09/06	OZONATION	TREATEC WATER	GRAB	14:00-15:00	GC	< 1.0
9197LB5B	09/19	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	3.0
9198LB5B	09/19	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	2.0
9198GBAB	09/19	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC	3.0
9198LE5B	09/19	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC	5.0
9202LB2B	09/20	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	310.0
9202LB2B	C9/20	BACKGRCUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	190.0
9207SR2B	09/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	350.0
9202LB4B	C9/20	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	< 1.0
9207SB4B	09/20	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	170.0
9208LB5B	09/20	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	3.0
9209LB5B	09/20	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	< 1.0
9203SB5B	09/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	6.0
9204SB5B	09/20	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	5.0
9202GBAB	C9/20	BACKGRCUND	LAE BLANK	GRAB	9:00-10:00	GC	< 1.0
9202LE3B	09/20	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	250.0
9206SE3B	09/20	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	160.0
9207SE3B	09/20	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	150.0
9207SE3B	09/20	CLARIFIER	TREATED WATER	6 HR. CCMP.	14:00-15:00	GC	180.0
9203SE5B	09/20	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC	2.0

DI-N-BUTHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITFR
9208L05B	09/20	OZONATION	BLANK	16 HR. COMP.	15:00-16:00	GC	< 1.0
9212LB2B	09/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	200.0
9212LB2B	09/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	250.0
9216SB2B	09/21	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	160.0
9212LB4B	09/21	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	250.0
9217SB4B	09/21	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	74.0
9212SB5B	09/21	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	< 1.0
9213SB5B	09/21	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	< 1.0
9212G03B	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	132.0
9217G03B	09/21	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	81.0
9212L03B	09/21	OZONATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	98.0
9216S03B	09/21	OZONATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	150.0
9212S05B	09/21	OZONATION	BLANK	6 HR. COMP.	9:00-10:00	GC	110.0
9337SB2B	10/03	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	330.0
9337SB2B	10/03	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	230.0
9337SB4B	10/03	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	1,600.0
9337LB5B	10/03	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	5.0
9338LB5B	10/03	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	2.0
9332SB5B	10/03	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	3.0
9333SB5B	10/03	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	2.0
9337GBAB	10/03	BACKGRCUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
9337SN3B	10/03	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	230.0
9337LN5B	10/03	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	1.0
9332SN5B	10/03	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	< 1.0
9337G03B	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	270.0
9342LB2B	10/04	BACKGRCUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	280.0
9342LB2B	10/04	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	290.0
9346SB2B	10/04	BACKGRCUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	250.0
9342LB4B	10/04	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	3,100.0
9346SB4B	10/04	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	2,700.0
9347LB5B	10/04	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	3.0
9348LB5B	10/04	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	8.0
9347GBAB	10/04	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
9341GC3B	10/04	CARBON	TREATEC WATER	GRAB	8:00- 9:00	GC	19.0
9342GC3B	10/04	CARBON	TREATFC WATER	GRAB	9:00-10:00	GC	2.0
934XGC5B	10/04	CARBON	BLANK	GRAB		GC	110.0
9342LN3B	10/04	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	240.0
9346SN3B	10/04	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	280.0
9347LN5B	10/04	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	6.0
9342G03B	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	250.0
9346G03B	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	260.0
9352LB2B	10/05	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	190.0
9357SB2B	10/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	380.0
9357SB2B	10/05	BACKGRCUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	490.0
9352LB4B	10/05	BACKGRCUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	570.0
9357SB4B	10/05	BACKGRCUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	600.0
9357LB5B	10/05	BACKGRCUND	BLANK	16 HR. COMP.	14:00-15:00	GC	17.0
9358LB5B	10/05	BACKGRCUND	BLANK	16 HR. COMP.	15:00-16:00	GC	5.0
9352SB5B	10/05	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	2.0
9353SB5B	10/05	BACKGRCUND	BLANK	6 HR. COMP.	10:00-11:00	GC	5.0

DI-N-BUTHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9357GBAB	10/05	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
9351GC3B	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	100.0
9352GC3B	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	24.0
935XGC5B	10/05	CARBON	BLANK	GRAB		GC	110.0
9352LN3B	10/05	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	230.0
9357SN3B	10/05	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	250.0
9357LN5B	10/05	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	4.0
9352SN5B	10/05	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	4.0
9352GO3B	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	210.0
9357GO3B	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	270.0
9362LB2B	10/06	BACKGRCUND	SPIKED WATER	16 HR. CCMP.	9:00-10:00	GC	400.0
9362LB2B	10/06	BACKGRCUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	610.0
9367SB2B	10/06	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	310.0
9362LB4B	10/06	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	290.0
9367SB4B	10/06	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	430.0
9362SB5B	10/06	BACKGRCUND	BLANK	6 HR. COMP.	9:00-10:00	GC	3.0
9363SB5B	10/06	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	3.0
9366GBAB	10/06	BACKGRCUND	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
9368GBAB	10/06	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC	< 1.0
9369GBAB	10/06	BACKGROUND	LAB BLANK	GRAB	16:00-17:00	GC	< 1.0
9361GC3B	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	110.0
9362GC3B	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	67.0
9363GC3B	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC	77.0
9365GC3B	10/06	CARBON	TREATED WATER	GRAD	12:00-13:00	GC	< 10.0
9366GC3B	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	< 12.0
9367GC3B	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC	400.0
936XGC5B	10/06	CARBON	BLANK	GRAB		GC	480.0
9362LN3B	10/06	NEUTRALIZATION	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC	180.0
9367SN3B	10/06	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	170.0
9363SN5B	10/06	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	3.0
9362GO3B	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	190.0
9367GO3B	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	160.0

BIS-(2-ETHYLHEXYL)PHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5117GB1F	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS		2.0	
5126GB5F	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS		11.0	
5167GB5F	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	GC/MS		74.0	
5176GB1F	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC/MS		136.1	
5177GB1F	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS		97.0	
5176GB5F	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS		270.0	
5177GB5F	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	GC/MS		120.0	
5187GB5F	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC/MS		4.1	
5193GB5F	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC/MS		17.0	
5193GB5F	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC/MS		17.0	
5224GB1F	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS		56.0	
5227SB1F	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC/MS		150.0	
5222GB5F	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS		20.0	
5224GB5F	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS		130.0	
5233GB5F	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	GC/MS		5.6	
5238LB5F	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC/MS		27.0	
5232SB5F	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC/MS		15.0	
5232GN3F	05/23	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS		15.0	
5244GB5F	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS		140.0	
5242SB5F	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC/MS		190.0	
5254GB1F	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS		18.0	
5255GB1F	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	GC/MS		28.0	
5256GB1F	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC/MS		37.0	
5251LB1F	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC/MS		6.3	
5257SB1F	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC/MS		28.0	
5258GB2B	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	<	1.0	
5258GB2B	05/25	BACKGROUND	SPIKED WATER	GRAB	15:00-16:00	GC	<	1.0	
5254GB5F	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS		76.0	
5256GB5F	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS		280.0	
5257GB5B	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	GC		120.0	
5253LB5F	05/25	BACKGROUND	BLANK	16 HR. CCMP.	10:00-11:00	GC/MS		180.0	
5252SB5F	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC/MS		120.0	
5257GN2B	05/25	NEUTRALIZATION	SPIKED WATER	GRAB	14:00-15:00	GC		35.0	
5252LN3F	05/25	NEUTRALIZATION	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC/MS		47.0	
5257GNAB	05/25	NEUTRALIZATION	LAB BLANK	GRAB	14:00-15:00	GC	<	1.0	
5256GNCB	05/25	NEUTRALIZATION	SPIKED BLANK	GRAB	13:00-14:00	GC	66.0%REC.	195.0	SPIKE
5262LB1F	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	GC/MS		5.8	
5266GB2B	05/26	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		50.0	
5306SB1B	05/30	BACKGROUND	RAW WATER	6 HR. COMP.	13:00-14:00	GC		3.0	
5306GB2B	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		870.0	
5306GB2B	05/30	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC		800.0	
5306GB5B	05/30	BACKGROUND	BLANK	GRAB	13:00-14:00	GC		68.0	
5308LB5B	05/30	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC		48.0	
5309LB5B	05/30	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC		580.0	
5302SB5B	05/30	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC		43.0	
5303SB5B	05/30	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC		50.0	
5309GBAB	05/30	BACKGROUND	LAB BLANK	GRAB	16:00-17:00	GC	<	1.0	
5309GBCB	05/30	BACKGROUND	SPIKED BLANK	GRAB	16:00-17:00	GC	61.0%REC.	195.0	SPIKE
5307SBDB	05/30	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	GC	97.0%REC.	195.0	SPIKE
5307SN3B	05/30	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC		12.0	

BIS-(2-ETHYLHEXYL)PHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5307LN5B	05/30	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	240.0
5306GNAB	05/30	NEUTRALIZATION	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
5306GNCB	05/30	NEUTRALIZATION	SPIKED BLANK	GRAB	13:00-14:00	GC	65.0%REC. 195.0 SPIKE
5311LB1B	05/31	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	16.0
5311LB1B	05/31	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	11.0
5317SB1B	05/31	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	610.0
5317SB1B	05/31	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	23.0
5317LB5B	05/31	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	130.0
5312SB5B	05/31	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	140.0
5317GBAB	05/31	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
5317GBCB	05/31	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	65.0%REC. 195.0 SPIKE
5311LN3B	05/31	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	34.0
5317SN3B	05/31	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	32.0
5317LN5B	05/31	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	140.0
5311LNDB	05/31	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	GC	97.0%REC. 195.0 SPIKE
6011LB1B	06/01	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	11.0
6011LB1B	06/01	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	12.0
6017LB5B	06/01	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	110.0
6017LB5F	06/01	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC/MS	470.0
6012LN3B	06/01	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	5.0
6017LN5B	06/01	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	100.0
6021LB1B	06/02	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	20.0
6026GB2B	06/02	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	800.0
6022LB4F	06/02	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC/MS	25.0
6021LN3B	06/02	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	< 1.0
6057SB1B	06/05	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	51.0
6055GB2B	06/05	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	22,000.0
6057GB2B	06/05	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	49.0
6057SB4F	06/05	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC/MS	1,600.0
6059GB5B	06/05	BACKGROUND	BLANK	GRAB	16:00-17:00	GC	93.0
6058LB5B	06/05	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	96.0
6059LB5F	06/05	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC/MS	222.9
6054SB5B	06/05	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	130.0
6054SB5F	06/05	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC/MS	611.5
6056GB7F	06/05	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	5.2
6050GB7F	06/05	BACKGROUND	SURFACE WATER	GRAB		GC/MS	19.0
6056GN3B	06/05	NEUTRALIZATION	TREATED WATER	GRAB	13:00-14:00	GC	110.0
6057SN3B	06/05	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	99.0
6058LN5B	06/05	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	93.0
6054SN5B	06/05	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	GC	210.0
6061LB1B	06/06	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	15.0
6067SB1B	06/06	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	28.0
6063GB2B	06/06	BACKGROUND	SPIKED WATER	GRAB	10:00-11:00	GC	170.0
6066GB2B	06/06	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	5,500.0
6067SB4B	06/06	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	12,000.0
6068LB5B	06/06	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	210.0
6069LB5B	06/06	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	220.0
6063SB5B	06/06	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	120.0
6064SB5B	06/06	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	230.0
6061LN3B	06/06	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	63.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6061LN3B	06/06	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	150.0
6067SN3B	06/06	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	140.0
6068LN5B	06/06	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	200.0
6063SN5B	06/06	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	110.0
6071LH1B	06/07	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	13.0
6077SB1B	06/07	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	330.0
6077SB1B	06/07	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	120.0
6072GB2B	06/07	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	660.0
6076GB2B	06/07	BACKGROUND	SPIKED WATER	GRAB	13:00-14:00	GC	16,000.0
6071LB4B	06/07	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	15,000.0
6077SB4B	06/07	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	12,000.0
6077LB5B	06/07	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	150.0
6078LB5B	06/07	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	220.0
6072SB5B	06/07	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	210.0
6073SB5B	06/07	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	100.0
6071LN3B	06/07	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	140.0
6077LN5B	06/07	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	110.0
6073SN5B	06/07	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	190.0
6081LB1B	06/08	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	11.0
6081LB1B	06/08	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	GC	13.0
6086SB1B	06/08	BACKGROUND	RAW WATER	6 HR. COMP.	13:00-14:00	GC	15.0
6086SB1B	06/08	BACKGROUND	RAW WATER	6 HR. COMP.	13:00-14:00	GC	14.0
6082GB2B	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	31.0
6082GB2B	06/08	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	14.0
6082LB4B	06/08	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	9,300.0
6087SB4B	06/08	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	200.0
6087LB5B	06/08	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	200.0
6088LB5B	06/08	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	180.0
6082SB5B	06/08	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	290.0
6083SB5B	06/08	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	230.0
6081LN3B	06/08	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	84.0
6087SN3B	06/08	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	21.0
6083SN5B	06/08	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	370.0
6091SB1B	06/09	BACKGROUND	RAW WATER	6 HR. COMP.	8:00- 9:00	GC	10.0
6097SB1B	06/09	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC	18.0
6092GB2B	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	20.0
6092GB2B	06/09	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	7.0
6092LB4B	06/09	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	150.0
6097SB4B	06/09	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	610.0
6092SB5B	06/09	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	160.0
6093SB5B	06/09	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	60.0
6092LN3B	06/09	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	14.0
6097SN3B	06/09	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	30.0
6093SN5B	06/09	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	81.0
6122GB2B	06/12	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC/MS	30.0
6126SB2B	06/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	480.0
6126SB2B	06/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	640.0
6126SB4B	06/12	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	6,100.0
6127LB5B	06/12	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	260.0
6128LB5B	06/12	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	220.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6122SB5B	06/12	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	130.0
6123SB5B	06/12	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	170.0
6122GN3B	06/12	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC/MS	22.0
6126SN3B	06/12	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	190.0
6127LN5B	06/12	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	190.0
6123SN5B	06/12	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	180.0
6123GNAB	06/12	NEUTRALIZATION	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
6123GNCB	06/12	NEUTRALIZATION	SPIKED BLANK	GRAB	10:00-11:00	GC	86.0%REC. 195.0 SPIKE
6131LB2B	06/13	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	410.0
6136SB2B	06/13	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	450.0
6136SB2B	06/13	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	650.0
6131LB4B	06/13	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	6,900.0
6137SB4B	06/13	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	6,500.0
6137LB5B	06/13	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	180.0
6132SB5B	06/13	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	220.0
6133SB5B	06/13	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	260.0
6131LN3B	06/13	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	41.0
6136SN3B	06/13	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	45.0
6137LN5B	06/13	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	240.0
6133SN5B	06/13	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	230.0
6142LB2B	06/14	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	610.0
6147SB2B	06/14	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	720.0
6142LB4B	06/14	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	5,000.0
6147SB4B	06/14	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	970.0
6147LB5B	06/14	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	4,300.0
6148LB5B	06/14	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	200.0
6142SB5B	06/14	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	350.0
6143SB5B	06/14	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	480.0
6142LN3B	06/14	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	520.0
6147SN3B	06/14	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	73.0
6148LN5B	06/14	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	4,700.0
6143SN5B	06/14	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	420.0
6151LB2B	06/15	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	580.0
6151LB2B	06/15	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	650.0
6156SB2B	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	710.0
6152LB4B	06/15	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	3,800.0
6156SB4B	06/15	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	4,100.0
6156LB5B	06/15	BACKGROUND	BLANK	16 HR. COMP.	13:00-14:00	GC	110.0
6157LB5B	06/15	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	190.0
6152SB5B	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	83.0
6153SB5B	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	120.0
6152LN3B	06/15	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	86.0
6156SN3B	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	63.0
6156SN3B	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	69.0
6157LN5B	06/15	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	120.0
6152SN5B	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	170.0
6164GB2B	06/16	BACKGROUND	SPIKED WATER	GRAB	11:00-12:00	GC	3,200.0
6165GB2B	06/16	BACKGROUND	SPIKED WATER	GRAB	12:00-13:00	GC	3,300.0
6167GB2B	06/16	BACKGROUND	SPIKED WATER	GRAB	14:00-15:00	GC	730.0
6161LB2B	06/16	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	580.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6162LB4B	06/16	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	5,720.0
6161LN3B	06/16	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	39.0
6191GB2B	06/19	BACKGROUND	SPIKED WATER	GRAB	8:00- 9:00	GC	660.0
6197SB2B	06/19	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	740.0
6192GB4B	06/19	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	3,800.0
6193GB5B	06/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC	140.0
6197LB5B	06/19	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	130.0
6198LB5B	06/19	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	170.0
6192SB5B	06/19	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	76.0
6193SB5B	06/19	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	130.0
6191GBAB	06/19	BACKGROUND	LAB BLANK	GRAB	8:00- 9:00	GC	< 1.0
6191GN3B	06/19	NEUTRALIZATION	TREATED WATER	GRAB	8:00- 9:00	GC	40.0
6197SN3B	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	120.0
6198LN5B	06/19	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	140.0
6192SN5B	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	85.0
6202LB2B	06/20	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	510.0
6207SB2B	06/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	930.0
6207SB4B	06/20	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	7,200.0
6206LB5B	06/20	BACKGROUND	BLANK	16 HR. COMP.	13:00-14:00	GC	480.0
6207LB5B	06/20	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	110.0
6203SB5B	06/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	150.0
6203GBAB	06/20	BACKGROUND	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
6202LN3B	06/20	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	43.0
6207SN3B	06/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	81.0
6207LN5B	06/20	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	140.0
6203SN5B	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	180.0
6204SN5B	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	GC	110.0
6211LB2B	06/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	640.0
6211LB4B	06/21	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	7,200.0
6217LB5B	06/21	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	110.0
6218LB5B	06/21	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	100.0
6212GB7F	06/21	BACKGROUND	SURFACE WATER	GRAB	9:00-10:00	GC/MS	5.4
6213GB7F	06/21	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	7.7
6214GB7F	06/21	BACKGROUND	SURFACE WATER	GRAB	11:00-12:00	GC/MS	13.8
6211LN3B	06/21	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	60.0
6211LN3B	06/21	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	170.0
6217LN5B	06/21	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	100.0
6222LB2B	06/22	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	740.0
6227SB2B	06/22	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	900.0
6222LB4B	06/22	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	7,900.0
6226SB4B	06/22	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	6,600.0
6221SB5B	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	GC	170.0
6222SB5B	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	170.0
6226SB5B	06/22	BACKGROUND	BLANK	6 HR. COMP.	13:00-14:00	GC	160.0
6227SB5B	06/22	BACKGROUND	BLANK	6 HR. COMP.	14:00-15:00	GC	130.0
6222GE3B	06/22	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	830.0
6222LN3B	06/22	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	95.0
6226SN3B	06/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	52.0
6222SN5B	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	140.0
6227SN5B	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	GC	150.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6231LB2B	06/23	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	760.0
6231LB2B	06/23	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	850.0
6231LB4B	06/23	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC	7,400.0
6232GBAB	06/23	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
6232GF3B	06/23	CLARIFIER	TREATED WATER	GRAB	9:00-10:00	GC	870.0
6231LN3B	06/23	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	31.0
6262GB2B	06/26	BACKGROUND	SPIKED WATER	GRAB	9:00-10:00	GC	590.0
6267SB2B	06/26	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	690.0
6262GB4B	06/26	BACKGROUND	SLUDGE	GRAB	9:00-10:00	GC	3,100.0
6267SB4B	06/26	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	780.0
6262GB5B	06/26	BACKGROUND	BLANK	GRAB	9:00-10:00	GC	160.0
6264GB5F	06/26	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS	451.0
6268GB5A	06/26	BACKGROUND	BLANK	GRAB	15:00-16:00	GC	190.0
6263SB5B	06/26	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	180.0
6264SB5B	06/26	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	180.0
6264GB7F	06/26	BACKGROUND	SURFACE WATER	GRAB	11:00-12:00	GC/MS	12.2
6267GBAB	06/26	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
6262GN3B	06/26	NEUTRALIZATION	TREATED WATER	GRAB	9:00-10:00	GC	150.0
6267SN3B	06/26	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	54.0
6267SN3B	06/26	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	81.0
6268GN5B	06/26	NEUTRALIZATION	BLANK	GRAB	15:00-16:00	GC	180.0
6263SN5B	06/26	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	240.0
6272GB5F	06/27	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	318.0
6272GB7F	06/27	BACKGROUND	SURFACE WATER	GRAB	9:00-10:00	GC/MS	1.0
6277GB8B	06/27	BACKGROUND	SPECIAL TYPE	GRAB	14:00-15:00	GC	200.0
6283GBAB	06/28	BACKGROUND	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
6292GB5F	06/29	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	335.0
6293GB7F	06/29	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	2.4
6298GBAB	06/29	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC	< 1.0
6306GBAB	06/30	BACKGROUND	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
7198LB5B	07/19	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	140.0
7199GBBB	07/19	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	3.0
7199GBBB	07/19	BACKGROUND	FIELD BLANK	GRAB	16:00-17:00	GC	3.0
7199GBCB	07/19	BACKGROUND	SPIKED BLANK	GRAB	16:00-17:00	GC	91.0%REC. 490.0 SPIKE
7199LN5B	07/19	NEUTRALIZATION	BLANK	16 HR. COMP.	16:00-17:00	GC	300.0
7202LB2B	07/20	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	3,300.0
7206SB2B	07/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	2,100.0
7208LB5B	07/20	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	140.0
7203SB5B	07/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	120.0
7202LN3B	07/20	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	410.0
7206SN3B	07/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	690.0
7207LN5B	07/20	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	270.0
7202SN5B	07/20	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	110.0
7212LB2B	07/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	2,700.0
7217SB2B	07/21	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	770.0
7217SB2B	07/21	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	720.0
7213SB5B	07/21	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	95.0
7217GBAB	07/21	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
7212LN3B	07/21	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	720.0
7217SN3B	07/21	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	3,000.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
7213SN5B	07/21	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	89.0
7248LB5B	07/24	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	85.0
7248LN5B	07/24	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	110.0
7252LB2B	07/25	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	4,000.0
7252LB2B	07/25	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	3,200.0
7256GR5F	07/25	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS	1,600.0
7252LN3B	07/25	NEUTRALIZATION	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC	3,300.0
7276SB2B	07/27	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	780.0
7276SB2B	07/27	BACKGROUND	SPIKED WATER	6 HR. CCMP.	13:00-14:00	GC	790.0
7276SB4B	07/27	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	27,000.0
7276SB4B	07/27	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	18,000.0
7276LB5B	07/27	BACKGROUND	BLANK	16 HR. COMP.	13:00-14:00	GC	110.0
7277LB5B	07/27	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	170.0
7273SB5B	07/27	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	110.0
7274SB5B	07/27	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	150.0
7276SN3B	07/27	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	700.0
7276LN5B	07/27	NEUTRALIZATION	BLANK	16 HR. COMP.	13:00-14:00	GC	160.0
7273SN5B	07/27	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	180.0
8086SB2B	08/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	230.0
8086SB2B	08/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	230.0
8086SB4B	08/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	39,000.0
8087LB5B	08/08	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	120.0
8088LB5B	08/08	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	83.0
8082SB5B	08/08	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	120.0
8083SB5B	08/08	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	83.0
8084SB5B	08/08	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	120.0
8086GBAB	08/08	BACKGROUND	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
8086GBCB	08/08	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	GC	100.0%REC. 61.0 SPIKE
8086SN3B	08/08	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	170.0
8087LN5B	08/08	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	120.0
8086SNDB	08/08	NEUTRALIZATION	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	GC	70.0%REC. 61.0 SPIKE
8091LB2B	08/09	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	230.0
8091LB2B	08/09	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	230.0
8097SB2B	08/09	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	180.0
8092LB4B	08/09	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	510.0
8097SB4B	08/09	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	280.0
8099LB5B	08/09	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	140.0
8092SB5B	08/09	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	102.0
8093SB5B	08/09	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	130.0
8095GB7F	08/09	BACKGROUND	SURFACE WATER	GRAB	12:00-13:00	GC/MS	0.7
8097GBAB	08/09	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
8097GBCB	08/09	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	GC	97.0%REC. 61.0 SPIKE
8091LN3B	08/09	NEUTRALIZATION	TREATED WATER	16 HR. CUMP.	8:00- 9:00	GC	84.0
8097SN3B	08/09	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	200.0
8098LN5B	08/09	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	130.0
8092SN5B	08/09	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	100.0
8102LB2B	08/10	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	270.0
8102LB2B	08/10	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	220.0
8106SB2B	08/10	BACKGROUND	SPIKED WATER	6 HR. CCMP.	13:00-14:00	GC	380.0
8106SB2B	08/10	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	300.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8102LB4B	08/10	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	270.0
8102LB4B	C8/10	BACKGRCUND	SLUCGE	16 HR. COMP.	9:00-10:00	GC	240.0
8107SB4B	08/10	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	470.0
8107SB4B	08/10	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	330.0
8107LB5B	08/10	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	190.0
8108LB5B	08/10	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	250.0
8102SB5B	08/10	BACKGRCUND	BLANK	6 HR. COMP.	9:00-10:00	GC	180.0
8103SB5B	08/10	BACKGRCUND	BLANK	6 HR. COMP.	10:00-11:00	GC	190.0
8102GBAB	08/10	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
8102LN3B	08/10	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	230.0
8107SN3B	08/10	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	260.0
8107SN3B	08/10	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	220.0
8107LN5B	08/10	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	180.0
8102SN5B	08/10	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	190.0
8112LB2B	08/11	BACKGRCUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	180.0
8112LB2B	C8/11	BACKGRCUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	190.0
8112LB4B	08/11	BACKGRCUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	190.0
8112GBAB	08/11	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
8112LN3B	08/11	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	110.0
8148LB5B	08/14	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	56.0
8149LB5B	08/14	BACKGRCUND	BLANK	16 HR. COMP.	16:00-17:00	GC	110.0
8147LN5B	08/14	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	120.0
8153GB1B	08/15	BACKGRCUND	RAW WATER	GRAB	10:00-11:00	GC	110.0
8152LB2B	08/15	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	510.0
8152LB2B	08/15	BACKGROUND	SPIKED WATER	16 HR. CCMP.	9:00-10:00	GC	520.0
8156SB2B	08/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	470.0
8152LB4B	08/15	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	350.0
8156SB4B	08/15	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	720.0
8157LB5B	08/15	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	140.0
8158LB5B	08/15	BACKGROUND	BLANK	16 HR. CCMP.	15:00-16:00	GC	160.0
8153SB5B	08/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	150.0
8154SB5B	08/15	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	6.0
8152LN3B	08/15	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	51.0
8157SN3B	08/15	NEUTRALIZATION	TREATED WATER	6 HR. CCMP.	14:00-15:00	GC	13.0
8157LN5B	08/15	NEUTRALIZATION	BLANK	16 HR. CCMP.	14:00-15:00	GC	180.0
8153SN5B	08/15	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	190.0
8163GB1B	08/16	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	11.0
8161LB2B	08/16	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	2,300.0
8161LB2B	08/16	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	1,800.0
8168SB2B	08/16	BACKGROUND	SPIKED WATER	6 HR. COMP.	15:00-16:00	GC	165.0
8162LB4B	08/16	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	456.0
8168SB4B	08/16	BACKGRCUND	SLUDGE	6 HR. COMP.	15:00-16:00	GC	622.0
8168LB5B	08/16	BACKGROUND	BLANK	16 HR. CCMP.	15:00-16:00	GC	101.0
8169LB5B	08/16	BACKGRCUND	BLANK	16 HR. COMP.	16:00-17:00	GC	157.0
8162SB5B	08/16	BACKGROUND	BLANK	6 HR. CCMP.	9:00-10:00	GC	111.0
8163SB5B	08/16	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	109.0
8162GBCB	08/16	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	GC	95.0%REC. 61.0 SPIKE
8161LN3B	08/16	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	66.0
8168SN3B	08/16	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	GC	90.0
8168LN5B	08/16	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	136.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8162SN5B	08/16	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	132.0
8161LN0B	08/16	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	GC	102.0%REC. 61.0 SPIKE
8171LB2B	08/17	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	310.0
8171LB2B	08/17	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC	250.0
8177SB2B	08/17	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	122.0
8172LB4B	08/17	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	19,235.0
8177SB4B	08/17	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	710.0
8178LB5B	08/17	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	156.0
8179LB5B	08/17	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	306.0
8172SB5B	08/17	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	157.0
8173SB5B	08/17	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	145.0
8172GBCB	08/17	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	94.0%REC. 61.0 SPIKE
8171LN3B	08/17	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC	24.0
8177SN3B	08/17	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	41.0
8178LN5B	08/17	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	137.0
8172SN5B	08/17	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	176.0
8182GB1B	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
8182GB1B	08/18	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC	< 1.0
8182LB2B	08/18	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	44.0
8182LB2B	08/18	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	39.0
8182LB4B	08/18	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	11,000.0
8183GBAB	08/18	BACKGROUND	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
8182GBCB	08/18	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	120.0%REC. 61.0 SPIKE
8183GBCB	08/18	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	GC	120.0%REC. 61.0 SPIKE
8182LN3B	08/18	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	15.0
8223GB1B	08/22	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC	15.0
8228SB4B	08/22	BACKGROUND	SLUDGE	6 HR. COMP.	15:00-16:00	GC	1,400.0
8228LB5B	08/22	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	132.0
8229LB5B	08/22	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	130.0
8222SB5B	08/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	80.0
8223SB5B	08/22	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	121.0
8224SB5B	08/22	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	126.0
8223GBAB	08/22	BACKGROUND	LAB BLANK	GRAB	10:00-11:00	GC	< 1.0
8227SN3B	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	58.0
8227SN3B	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	61.0
8228LN5B	08/22	NEUTRALIZATION	BLANK	16 HR. COMP.	15:00-16:00	GC	128.0
8229LN5B	08/22	NEUTRALIZATION	BLANK	16 HR. COMP.	16:00-17:00	GC	216.0
8224SN5B	08/22	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	GC	110.0
8233LB2B	08/23	BACKGROUND	SPIKED WATER	16 HR. COMP.	10:00-11:00	GC	28.0
8233LB2B	08/23	BACKGROUND	SPIKED WATER	16 HR. COMP.	10:00-11:00	GC	27.0
8237SB2B	08/23	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	14.0
8232LB4B	08/23	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	1,300.0
8237SB4B	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	12,000.0
8238LB5B	08/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	289.0
8239LB5B	08/23	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	228.0
8233SB5B	08/23	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	141.0
8234SB5B	08/23	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	130.0
8232LE3B	08/23	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	62.0
8238SE3B	08/23	CLARIFIER	TREATED WATER	6 HR. COMP.	15:00-16:00	GC	12.0
8238SE3B	08/23	CLARIFIER	TREATED WATER	6 HR. COMP.	15:00-16:00	GC	20.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
8234SE5B	08/23	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	GC		132.0	
8232LS3B	08/23	SAND FILTER	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC		33.0	
8233SS5B	08/23	SAND FILTER	BLANK	6 HR. COMP.	10:00-11:00	GC		140.0	
8243GB1B	08/24	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC		6.0	
8243LB2B	08/24	BACKGROUND	SPIKED WATER	16 HR. COMP.	10:00-11:00	GC		16.0	
8247SB2B	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC		46.0	
8247SB2B	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC		56.0	
8243LB4B	08/24	BACKGROUND	SLUDGE	16 HR. COMP.	10:00-11:00	GC		520.0	
8247SB4B	08/24	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC		540.0	
8247LB5B	08/24	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC		213.0	
8248LB5B	08/24	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC		152.0	
8244SB5B	08/24	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC		422.0	
8245SB5B	08/24	BACKGROUND	BLANK	6 HR. COMP.	12:00-13:00	GC		132.0	
8243GBAB	08/24	BACKGROUND	LAB BLANK	GRAB	10:00-11:00	GC	<	1.0	
8244GBAB	08/24	BACKGROUND	LAB BLANK	GRAB	11:00-12:00	GC	<	1.0	
8248GBAB	08/24	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC	<	1.0	
8244GBCB	08/24	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	GC	92.0%REC.	61.0	SPIKE
8248GBCB	08/24	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	GC	103.0%REC.	61.0	SPIKE
8247SE3B	08/24	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC		9.0	
8247LE5B	08/24	CLARIFIER	BLANK	16 HR. COMP.	14:00-15:00	GC		171.0	
8244SE5B	08/24	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	GC		114.0	
8247GN3B	08/24	NEUTRALIZATION	TREATEC WATER	GRAB	14:00-15:00	GC		275.0	
8243LS3B	08/24	SAND FILTER	TREATED WATER	16 HR. COMP.	10:00-11:00	GC		13.0	
8247SS3B	08/24	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC		18.0	
8244SS5B	08/24	SAND FILTER	BLANK	6 HR. CCMP.	11:00-12:00	GC		139.0	
8251LB2B	08/25	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC		42.0	
8251LB2B	08/25	BACKGROUND	SPIKED WATER	16 HR. COMP.	8:00- 9:00	GC		49.0	
8251LB4B	08/25	BACKGROUND	SLUDGE	16 HR. COMP.	8:00- 9:00	GC		5,000.0	
8251LE3B	08/25	CLARIFIER	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC		4.0	
8251LS3B	08/25	SAND FILTER	TREATED WATER	16 HR. COMP.	8:00- 9:00	GC		9.0	
8288LB5B	08/28	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC		87.0	
8288LE5B	08/28	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC		80.0	
8288LS5B	08/28	SAND FILTER	BLANK	16 HR. COMP.	15:00-16:00	GC		87.0	
8292LB2B	08/29	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		175.0	
8292LB2B	08/29	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC		204.0	
8296SB2B	08/29	BACKGROUND	SPIKED WATER	6 HR. CCMP.	13:00-14:00	GC		99.0	
8296SB2B	08/29	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC		82.0	
8292LB4B	08/29	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC		10,000.0	
8296SB4B	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC		12,000.0	
8297LB5B	08/29	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC		159.0	
8297LB5B	08/29	BACKGROUND	BLANK	16 HR. CCMP.	14:00-15:00	GC		113.0	
8292SB5B	08/29	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC		94.0	
8293SB5B	08/29	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC		96.0	
8296GBAB	08/29	BACKGROUND	LAB BLANK	GRAB	13:00-14:00	GC	<	1.0	
8296GBCB	08/29	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	GC	108.0%REC.	61.0	SPIKE
8292LE3B	08/29	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC		72.0	
8296SE3B	08/29	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC		76.0	
8297LE5B	08/29	CLARIFIER	BLANK	16 HR. COMP.	14:00-15:00	GC		153.0	
8293SE5B	08/29	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC		96.0	
8296SFDB	08/29	CLARIFIER	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	GC	100.0%REC.	61.0	SPIKE

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8292LS3B	08/29	SAND FILTER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	31.0
8296SS3B	08/29	SAND FILTER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	34.0
8297LS5B	08/29	SAND FILTER	BLANK	16 HR. COMP.	14:00-15:00	GC	116.0
8293SS5B	08/29	SAND FILTER	BLANK	6 HR. COMP.	10:00-11:00	GC	82.0
8302LB2B	08/30	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	130.0
8302LB4B	08/30	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	13,000.0
8307SB4B	08/30	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	14,000.0
8302LB5B	08/30	BACKGROUND	BLANK	16 HR. COMP.	9:00-10:00	GC	39.0
8307LB5B	08/30	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	73.0
8304SB5B	08/30	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	62.0
8302GBAB	08/30	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
8302GBCB	08/30	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	111.0%REC. 61.0 SPIKE
8302LE3B	08/30	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	53.0
8307SE3B	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	56.0
8307SE3B	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	60.0
8308LF5B	08/30	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC	140.0
8303SE5B	08/30	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC	100.0
8307GO5B	08/30	OZONATION	BLANK	GRAB	14:00-15:00	GC	52.0
8308GO5B	08/30	OZONATION	BLANK	GRAB	15:00-16:00	GC	20.0
8302LS3B	08/30	SAND FILTER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	46.0
8308LS5B	08/30	SAND FILTER	BLANK	16 HR. COMP.	15:00-16:00	GC	66.0
8304SS5B	08/30	SAND FILTER	BLANK	6 HR. COMP.	11:00-12:00	GC	56.0
8312LB2B	08/31	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	82.0
8316SB2B	08/31	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	72.0
8316SB2B	08/31	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	150.0
8312LB4B	08/31	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	470.0
8317SB4B	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	16,000.0
8317LB5B	08/31	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	47.0
8318LB5B	08/31	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	61.0
8313SB5B	08/31	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	61.0
8314SB5B	08/31	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	62.0
8312GBCB	08/31	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	92.0%REC. 61.0 SPIKE
8312LE3B	08/31	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	35.0
8317SE3B	08/31	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	34.0
8318LE5B	08/31	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC	70.0
8313SE5B	08/31	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC	62.0
8312GO3B	08/31	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	110.0
8317GO3B	08/31	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	18.0
9012LB2B	09/01	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	120.0
9017SB2B	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	100.0
9017SB2B	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	84.0
9012LB4B	09/01	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	13,000.0
9017SB4B	09/01	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	7,200.0
9011SB5B	09/01	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	GC	86.0
9012SB5B	09/01	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	120.0
9012GBAB	09/01	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
9012GBCB	09/01	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	84.0%REC. 61.0 SPIKE
9012LE3B	09/01	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	16.0
9017SE3B	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	9.0
9012SE5B	09/01	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	GC	110.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9012G03B	09/01	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	12.0
9017G03B	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	360.0
9056SB2B	09/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	68.0
9057LB5B	09/05	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	89.0
9058LB5B	09/05	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	43.0
9052SB5B	09/05	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	110.0
9053SB5B	09/05	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	100.0
9052GBAB	09/05	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	1.0
9052GBCB	09/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	GC	143.0%REC. 61.0 SPIKE
9056SE3B	09/05	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	16.0
9057LE5B	09/05	CLARIFIER	BLANK	16-HR. COMP.	14:00-15:00	GC	92.0
9052SE5B	09/05	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	GC	120.0
9056G03B	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	10.0
9062LB2B	09/06	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	22.0
9062LB2B	09/06	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	50.0
9062SB5B	09/06	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	130.0
9062LE3B	09/06	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	68.0
9066SE3B	09/06	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	25.0
9067LE5B	09/06	CLARIFIER	BLANK	16 HR. COMP.	14:00-15:00	GC	100.0
9062SE5B	09/06	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	GC	160.0
9062G03B	09/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	34.0
9067G03B	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	75.0
9197LB5B	09/19	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	64.0
9198LB5B	09/19	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	63.0
9198GBAB	09/19	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC	17.0
9198LE5B	09/19	CLARIFIER	BLANK	16 HR. COMP.	15:00-16:00	GC	44.0
9202LB2B	09/20	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	270.0
9202LB2B	09/20	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	260.0
9207SB2B	09/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	150.0
9202LB4B	09/20	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	5,700.0
9207SB4B	09/20	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	470.0
9208LB5B	09/20	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	140.0
9209LB5B	09/20	BACKGROUND	BLANK	16 HR. COMP.	16:00-17:00	GC	150.0
9203SB5B	09/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	72.0
9204SB5B	09/20	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC	84.0
9202GBAB	09/20	BACKGROUND	LAB BLANK	GRAB	9:00-10:00	GC	< 1.0
9202LE3B	09/20	CLARIFIER	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	120.0
9206SE3B	09/20	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	12.0
9207SF3B	09/20	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	22.0
9207SE3B	09/20	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	18.0
9203SE5B	09/20	CLARIFIER	BLANK	6 HR. COMP.	10:00-11:00	GC	65.0
9208LC5B	09/20	OZONATION	BLANK	16 HR. COMP.	15:00-16:00	GC	81.0
9212LB2B	09/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	240.0
9212LB2B	09/21	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	240.0
9216SB2B	09/21	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	170.0
9212LB4B	09/21	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	500.0
9217SB4B	09/21	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	480.0
9212SB5B	09/21	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	98.0
9213SB5B	09/21	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	130.0
9212G03B	09/21	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	12.0

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SAMPLE CODE	DATE	UNIT	SAMPLF TYPE	COLLECTION	TIMF	ANALYSIS	MICROGRAM/LITER
9217G03B	09/21	OZONATION	TREATEC WATER	GRAB	14:00-15:00	GC	10.0
9212L03B	09/21	OZONATION	TREATED WATER	16 HR. CCMP.	9:00-10:00	GC	17.0
9216S03B	09/21	OZONATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	11.0
9212S05B	09/21	OZONATICN	BLANK	6 HR. CCMP.	9:00-10:00	GC	90.0
9337SB2B	10/03	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	250.0
9337SB2B	10/03	BACKGRCUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	250.0
9337SB4B	10/03	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	11,000.0
9337LB5B	10/03	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	75.0
9338LB5B	10/03	BACKGRCUND	BLANK	16 HR. COMP.	15:00-16:00	GC	69.0
9332SB5B	10/03	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	67.0
9333SB5B	10/03	BACKGRCUND	BLANK	6 HR. COMP.	10:00-11:00	GC	55.0
9337GBAB	10/03	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
9337SN3B	10/03	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	47.0
9337LN5B	10/03	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	67.0
9332SN5B	10/03	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	61.0
9337G03B	10/03	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	69.0
9342LB2B	10/04	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	450.0
9342LB2B	10/04	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	390.0
9346SB2B	10/04	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	GC	250.0
9342LB4B	10/04	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	8,800.0
9346SB4B	10/04	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	GC	8,700.0
9347LB5B	10/04	BACKGROUND	BLANK	16 HR. COMP.	14:00-15:00	GC	93.0
9348LB5B	10/04	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	110.0
9347GBAB	10/04	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
9341GC3B	10/04	CARBON	TREATEC WATER	GRAB	8:00- 9:00	GC	54.0
9342GC3B	10/04	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
934XGC5B	10/04	CARBON	BLANK	GRAB		GC	270.0
9342LN3B	10/04	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	56.0
9346SN3B	10/04	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	GC	33.0
9347LN5B	10/04	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	89.0
9342G03B	10/04	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	< 1.0
9346G03B	10/04	OZONATION	TREATED WATER	GRAB	13:00-14:00	GC	27.0
9352LB2B	10/05	BACKGRCUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	120.0
9357SB2B	10/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	380.0
9357SB2B	10/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	310.0
9352LB4B	10/05	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	1,400.0
9357SB4B	10/05	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	1,500.0
9357LB5B	10/05	BACKGRCUND	BLANK	16 HR. COMP.	14:00-15:00	GC	110.0
9358LB5B	10/05	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	GC	98.0
9352SB5B	10/05	BACKGRCUND	BLANK	6 HR. COMP.	9:00-10:00	GC	100.0
9353SB5B	10/05	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	88.0
9357GBAB	10/05	BACKGROUND	LAB BLANK	GRAB	14:00-15:00	GC	< 1.0
9351GC3B	10/05	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	210.0
9352GC3B	10/05	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	100.0
935XGC5B	10/05	CARBON	BLANK	GRAB		GC	300.0
9352LN3B	10/05	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	20.0
9357SN3B	10/05	NEUTRALIZATION	TRFATFD WATFR	6 HR. COMP.	14:00-15:00	GC	34.0
9357LN5B	10/05	NEUTRALIZATION	BLANK	16 HR. COMP.	14:00-15:00	GC	78.0
9352SN5B	10/05	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	GC	92.0
9352G03B	10/05	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	21.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9357GO3B	10/05	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	22.0
9362LB2B	10/06	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	370.0
9362LB2A	10/06	BACKGROUND	SPIKED WATER	16 HR. COMP.	9:00-10:00	GC	360.0
9367SB2B	10/06	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	GC	220.0
9362LB4B	10/06	BACKGROUND	SLUDGE	16 HR. COMP.	9:00-10:00	GC	1,010.0
9367SB4B	10/06	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	GC	1,050.0
9362SB5B	10/06	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC	76.0
9363SB5B	10/06	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	GC	2.0
9366GBAB	10/06	BACKGROUND	LAB BLANK	GRAB	13:00-14:00	GC	< 1.0
9368GBAB	10/06	BACKGROUND	LAB BLANK	GRAB	15:00-16:00	GC	< 1.0
9369GBAB	10/06	BACKGROUND	LAB BLANK	GRAB	16:00-17:00	GC	< 1.0
9361GC3B	10/06	CARBON	TREATED WATER	GRAB	8:00- 9:00	GC	150.0
9362GC3B	10/06	CARBON	TREATED WATER	GRAB	9:00-10:00	GC	89.0
9363GC3B	10/06	CARBON	TREATED WATER	GRAB	10:00-11:00	GC	42.0
9365GC3B	10/06	CARBON	TREATED WATER	GRAB	12:00-13:00	GC	13.0
9366GC3B	10/06	CARBON	TREATED WATER	GRAB	13:00-14:00	GC	< 12.0
9367GC3B	10/06	CARBON	TREATED WATER	GRAB	14:00-15:00	GC	160.0
936XGC5B	10/06	CARBON	BLANK	GRAB		GC	240.0
9362LN3B	10/06	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC	27.0
9367SN3B	10/06	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	GC	24.0
9363SN5B	10/06	NEUTRALIZATION	BLANK	6 HR. COMP.	10:00-11:00	GC	19.0
9362GO3B	10/06	OZONATION	TREATED WATER	GRAB	9:00-10:00	GC	19.0
9367GO3B	10/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	GC	14.0

PHENANTHRENE&ANTHRACENE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5176GB1F	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC/MS	1.8
5224GB5F	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS	4.5
6292GB5F	06/29	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	6.1

2,4-DINITROPHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6153GB7F	06/15	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	8.1

2,4,6-TRICHLCRCPHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6056GB7F	06/05	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	2.3
6153GB7F	06/15	BACKGRCUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	< 0.8

PHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPF	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITFR
5168GB1F	05/16	BACKGRCUND	RAW WATER	GRAB	15:00-16:00	GC/MS	1.7
5176GB1F	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC/MS	0.5
5176GB5F	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	GC/MS	5.4
5187GB1F	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS	< 0.8
5187GB5F	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC/MS	1.3
5193GB1F	05/19	BACKGRCUND	RAW WATER	GRAB	10:00-11:00	GC/MS	< 0.7
5193GB5F	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	GC/MS	3.5
5222GB1F	05/22	BALKGRCUND	RAW WATER	GRAB	9:00-10:00	GC/MS	0.7
5224GB1F	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS	0.9
5247SB1F	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	GC/MS	1.8
5244GB5F	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS	< 0.1
5255GB1F	05/25	BACKGRCUND	RAW WATER	GRAB	12:00-13:00	GC/MS	1.7
5256GB1F	05/25	BALKGRCUND	RAW WATER	GRAB	13:00-14:00	GC/MS	1.0
5253LB5F	05/25	BACKGRCUND	BLANK	16 HR. COMP.	10:00-11:00	GC/MS	1.1
5252SB5F	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC/MS	1.6
5252LN3F	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	GC/MS	4.0
5258SN3F	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	GC/MS	1.2
5262LB1F	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	GC/MS	2.5
6054SB5F	06/05	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC/MS	< 0.9
6057GB7F	06/05	BACKGRCUND	SURFACE WATER	GRAB	14:00-15:00	GC/MS	< 0.4
6153GB7F	06/15	BACKGRCUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	1.9
6154GB7F	06/15	BACKGRCUND	SURFACE WATER	GRAB	11:00-12:00	GC/MS	0.9
6212GB7F	06/21	BACKGROUND	SURFACE WATER	GRAB	9:00-10:00	GC/MS	< 0.3
6213GB7F	06/21	BACKGRCUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	< 0.6
6272GB5F	06/27	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	3.0
6292GB5F	06/29	BACKGROUND	BLANK	GRAB	9:00-10:00	GC/MS	2.0
6293GB7F	06/29	BALKGRCUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	4.0
8096GB7F	08/09	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	5.0
8174GB1F	08/17	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS	2.0

P-CHLORO-M-CRESOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5187GB5F	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC/MS	< 1.0
5193GB1F	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC/MS	< 0.2
5224GB1F	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS	< 0.5
5254GB5F	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	GC/MS	< 0.1
5252SB5F	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC/MS	0.7
6056GB7F	06/05	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	< 0.4
6153GB7F	06/15	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	0.8

2-CHLOROPHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5168GB1F	05/16	BACKGRCUND	RAW WATER	GRAB	15:00-16:00	GC/MS	< 0.1
5224G91F	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS	< 0.3
5256GB1F	05/25	BACKGRCUND	RAW WATER	GRAB	13:00-14:00	GC/MS	0.1
6056GB7F	06/05	BACKGRCUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	< 0.2
6153GB7F	06/15	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	0.6

2,4-DICHLOROPHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5224GB1F	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS	< 0.4
5255GB1F	05/25	BACKGRCUND	RAW WATER	GRAB	12:00-13:00	GC/MS	< 0.5
5256GB1F	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC/MS	0.6
6054SB5F	06/05	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC/MS	< 0.1
6056GB7F	06/05	BACKGRCUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	< 0.2
6153GB7F	06/15	BACKGRCUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	2.4

2-NITROPHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5262LB1F	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	GC/MS	< 0.2
6292GB7F	06/29	BACKGRCUND	SURFACE WATER	GRAB	9:00-10:00	GC/MS	0.9

4-NITROPHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5262LB1F	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	GC/MS	< 2.7
6154GB7F	06/15	BACKGRCUND	SURFACE WATER	GRAB	11:00-12:00	GC/MS	0.5

2,4-DIMETHYLPHENOL

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5187GB5F	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	GC/MS	0.8
5193GB1F	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	GC/MS	< 0.9
5222GB1F	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	GC/MS	0.5
5224GB1F	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS	0.7
5255GB1F	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	GC/MS	< 0.9
5256GB1F	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	GC/MS	0.4
5252SB5F	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	GC/MS	0.6
6054SB5F	06/05	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	GC/MS	< 0.7
6056GB7F	06/05	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	GC/MS	< 0.2
6153GB7F	06/15	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	2.0

BUTYL BENZYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6050GB7F	06/05	BACKGRCUND	SURFACE WATER	GRAB		GC/MS	3.0
6213GB7F	06/21	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	GC/MS	0.9
6214GB7F	06/21	BACKGRCUND	SURFACE WATER	GRAB	11:00-12:00	GC/MS	1.0
6264GB7F	06/26	BACKGRUUND	SURFACE WATER	GRAB	11:00-12:00	GC/MS	1.1
6272GB7F	06/27	BACKGRCUND	SURFACE WATER	GRAB	9:00-10:00	GC/MS	1.8
8095GB7F	08/09	BACKGRUUND	SURFACE WATER	GRAB	12:00-13:00	GC/MS	0.5
8174GB1F	08/17	BACKGROUND	RAW WATER	GRAB	11:00-12:00	GC/MS	2.0

DIETHYLPHTHALATE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5177GB1F	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	GC/MS	15.0

APPENDIX C-3

METALS DATA

ANTIMONY

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5117GB8G	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	110.0%REC. 47.0 SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	100.0%REC. 47.0 SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	85.0%REC. 47.0 SPIKE
5114GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	81.0%REC. 92.0 SPIKE
5115GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	12:00-13:00	AA	95.0%REC. 92.0 SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5128GB8G	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GB8G	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5168GB8G	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	< 10.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	100.0%REC. 47.0 SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	< 10.0
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	106.0%REC. 47.0 SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GB3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5241LBDG	05/24	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	103.0%REC. 47.0 SPIKE
5244GB3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0

ANTIMONY

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5251LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	119.0%REC. 47.0 SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	121.0%REC. 47.0 SPIKE
8228SB4G	08/22	BACKGROUND	SLUDGE	6 HR. COMP.	15:00-16:00	AA	130.0
8227SN3G	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8237SB2G	08/23	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	15.0
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	2.9
8237SS3G	08/23	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8237SSDG	08/23	SAND FILTER	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	130.0%REC. 30.0 SPIKE
8247SB2G	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	14.0
8247SB4G	08/24	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	2,100.0
8243SB5G	08/24	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
8247SF3G	08/24	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	12.0
8244SF5G	08/24	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8247SS3G	08/24	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	14.0
8296SB2G	08/29	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	29,000.0
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	26,000.0
8294SB5G	08/29	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8296SF3G	08/29	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8296SFDG	08/29	CLARIFIER	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	130.0%REC. 30.0 SPIKE
8296SS3G	08/29	SAND FILTER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8294SS5G	08/29	SAND FILTER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	49.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	19.0
8307SB4G	08/30	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	10,000.0
8307SF3G	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	13.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	11.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	12.0
8316SB2G	08/31	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	340.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	< 3.0
8317SF3G	08/31	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	12.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9016SB4G	09/01	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	16,000.0
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	< 3.0

ANTIMONY

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9017SE3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9017SE3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9017GO3G	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	10.0
9056SB2G	09/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	17.0
9056SB4G	09/05	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	15,000.0
9056SE3G	09/05	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9056GO3G	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	9.0
9066SB2G	09/06	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	19.0
9066SB4G	09/06	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	14,000.0
9066SE3G	09/06	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9067GO3G	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	12.0
9076SB2G	09/07	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9077SB4G	09/07	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	21,000.0
9076SBDG	09/07	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	120.0%REC. 30.0 SPIKE
9077SBDG	09/07	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	75.0%REC. 18,000.0 SPIKE
9076SE3G	09/07	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9072SF5G	09/07	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9076GO3G	09/07	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	13.0
9086SB2G	09/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	11.0
9086SB4G	09/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	27,000.0
9082SB5G	09/08	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9086GB8G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	< 3.0
9086SE3G	09/08	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9082SF5G	09/08	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9087GO3G	09/08	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	12.0
9117SB2G	09/11	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	12.0
9117SB4G	09/11	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	1.7
9117SE3G	09/11	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	11.0
9117GO3G	09/11	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	12.0
9124SB2G	09/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	11:00-12:00	AA	5.0
9124SE3G	09/12	CLARIFIER	TREATED WATER	6 HR. COMP.	11:00-12:00	AA	6.0
9124GO3G	09/12	OZONATION	TREATED WATER	GRAB	11:00-12:00	AA	6.0
9351GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	96.0%REC. 500.0 SPIKE
9352GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	116.0%REC. 1,000.0 SPIKE
9354GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	120.0%REC. 100.0 SPIKE

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5117GA1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		160.0	
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		130.0	
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	<	10.0	
5111GACG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	92.0%REC.	47.0	SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	90.0%REC.	47.0	SPIKE
5113GJCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	110.0%REC.	47.0	SPIKE
5114GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	97.0%REC.	92.0	SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		12.0	
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5128GB8G	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	<	10.0	
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	<	10.0	
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		12.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	<	10.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	<.	10.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA		10.0	
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	<	10.0	
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	<	10.0	
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		15.0	
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		10.0	
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	<	10.0	
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	<	10.0	
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	85.0%REC.	47.0	SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA		16.0	
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA		15.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	<	10.0	
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	<	10.0	
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA		10.0	
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	<	10.0	
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	100.0%REC.	47.0	SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	<	10.0	
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	<	10.0	
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	<	10.0	
5238EB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	<	10.0	
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	<	10.0	
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	<	10.0	
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	<	10.0	
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		10.0	
5241LBDG	05/24	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	68.0%REC.	47.0	SPIKE
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	<	10.0	
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA		20.0	
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA		19.0	
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	<	10.0	
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	<	10.0	
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5257S91G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA		13.0	
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	120.0%REC.	47.0	SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	<	10.0	
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	<	10.0	
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA		11.0	
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	68.0%REC.	47.0	SPIKE
6069GBDG	06/06	BACKGROUND	SPIKED SAMPLE	GRAB	16:00-17:00	AA	96.0%REC.	5,000.0	SPIKE
6156SB2G	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6152SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6153S95G	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6153SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6151GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	110.0%REC.	50.0	SPIKE
6152GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	77.0%REC.	50.0	SPIKE
6153GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	120.0%REC.	100.0	SPIKE
6154GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	100.0%REC.	100.0	SPIKE
6152SBDG	06/15	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	9:00-10:00	AA	96.0%REC.	50.0	SPIKE
6156SN3G	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6152SN5G	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6197SB2G	06/19	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA		17.0	
6192SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6193SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6192SN5G	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6207SB2G	06/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA		12.0	
6203SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6204SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA	<	10.0	
6207SN3G	06/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6204SN5G	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	AA	<	10.0	
6227SB2G	06/22	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6226SB4G	06/22	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6221SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	AA	<	10.0	
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6226SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6227SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6227SBDG	06/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	110.0%REC.	50.0	SPIKE
6226SN3G	06/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	<	10.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6222SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA	< 10.0
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA	< 10.0
7257GB7G	07/25	BACKGROUND	SURFACE WATER	GRAB	14:00-15:00	AA	< 10.0
8085SB2G	08/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	12:00-13:00	AA	< 10.0
8086SB4G	08/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	23,000.0
8086SB4G	08/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	21,000.0
8085SBDG	08/08	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	12:00-13:00	AA	93.0%REC. 30.0 SPIKE
8086SN3G	08/08	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8097SB2G	08/09	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8097SB4G	08/09	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	< 29,000.0
8092SB5G	08/09	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
8095GB7G	08/09	BACKGROUND	SURFACE WATER	GRAB	12:00-13:00	AA	< 10.0
8096GB7G	08/09	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	AA	< 10.0
8097GB7G	08/09	BACKGROUND	SURFACE WATER	GRAB	14:00-15:00	AA	< 10.0
8095GBDG	08/09	BACKGROUND	SPIKED SAMPLE	GRAB	12:00-13:00	AA	87.0%REC. 30.0 SPIKE
8092SBDG	08/09	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	9:00-10:00	AA	87.0%REC. 30.0 SPIKE
8097SN3G	08/09	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8092SN5G	08/09	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
8106SB2G	08/10	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8107SB4G	08/10	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	< 23,000.0
8107SBDG	08/10	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	100.0%REC. 17,000.0 SPIKE
8107SN3G	08/10	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8228SB4G	08/22	BACKGROUND	SLUDGE	6 HR. COMP.	15:00-16:00	AA	10,000.0
8227SN3G	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8237SB2G	08/23	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	62.0
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	42.0
8237SS3G	08/23	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	43.0
8237SSDG	08/23	SAND FILTER	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	130.0%REC. 30.0 SPIKE
8247SB2G	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	58.0
8247SB4G	08/24	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	19,000.0
8243SB5G	08/24	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
8247SE3G	08/24	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	59.0
8244SE5G	08/24	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8247SS3G	08/24	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	52.0
8296SB2G	08/29	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	60.0
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	250,000.0
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	210,000.0
8294SB5G	08/29	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8296SE3G	08/29	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	56.0
8296SFDG	08/29	CLARIFIER	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	73.0%REC. 30.0 SPIKE
8296SS3G	08/29	SAND FILTER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	47.0
8294SS5G	08/29	SAND FILTER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	80.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	67.0
8307SB4G	08/30	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	92,000.0
8307SE3G	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	58.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	54.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	62.0
8316SB2G	08/31	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0

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8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	1,400.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	< 5.0
8317SE3G	08/31	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	37.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	66.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	34.0
9016SB4G	09/01	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	98,000.0
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	< 5.0
9017SE3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	54.0
9017SE3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	59.0
9017GO3G	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	40.0
9056SB2G	09/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	68.0
9056SB4G	09/05	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	150,000.0
9056SE3G	09/05	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	42.0
9056GO3G	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	22.0
9066SB2G	09/06	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	75.0
9066SB4G	09/06	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	92,000.0
9066SE3G	09/06	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	54.0
9067GO3G	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	48.0
9076SB2G	09/07	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	46.0
9077SB4G	09/07	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	42,000.0
9076SBDG	09/07	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	57.0%REC. 30.0 SPIKE
9077SBDG	09/07	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	67.0%REC. 18,000.0 SPIKE
9076SE3G	09/07	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	94.0
9072SE5G	09/07	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9076GO3G	09/07	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	43.0
9086SB2G	09/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	38.0
9086SB4G	09/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	77,000.0
9082SB5G	09/08	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9086GB8G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	< 5.0
9086SE3G	09/08	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	42.0
9082SE5G	09/08	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9087GO3G	09/08	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	50.0
9112SB1G	09/11	BACKGROUND	RAW WATER	6 HR. COMP.	9:00-10:00	AA	< 10.0
9117SB2G	09/11	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	39.0
9117SB4G	09/11	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	3.7
9112SB5G	09/11	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9112SBDG	09/11	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	9:00-10:00	AA	73.0%REC. 30.0 SPIKE
9117SE3G	09/11	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	43.0
9112SE5G	09/11	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9117GO3G	09/11	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	54.0
9124SB2G	09/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	11:00-12:00	AA	24.0
9123SB5G	09/12	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
9123SB5G	09/12	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
9124SE3G	09/12	CLARIFIER	TREATED WATER	6 HR. COMP.	11:00-12:00	AA	39.0
9123SEBG	09/12	CLARIFIER	FIELD BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
9124SEDG	09/12	CLARIFIER	SPIKED SAMPLE	6 HR. COMP.	11:00-12:00	AA	100.0%REC. 30.0 SPIKE
9124GO3G	09/12	OZONATION	TREATED WATER	GRAB	11:00-12:00	AA	45.0
9213GB7G	09/21	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	AA	< 10.0
9213GB7G	09/21	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	AA	< 10.0
9214GB7G	09/21	BACKGROUND	SURFACE WATER	GRAB	11:00-12:00	AA	< 10.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
9215GB7G	09/21	BACKGROUND	SURFACE WATER	GRAB	12:00-13:00	AA	<	10.0	
9274GB7G	09/27	BACKGROUND	SURFACE WATER	GRAB	11:00-12:00	AA	<	10.0	
9276GB7G	09/27	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	AA	<	10.0	
9276GB7G	09/27	BACKGROUND	SURFACE WATER	GRAB	13:00-14:00	AA	<	10.0	
9278GB7G	09/27	BACKGROUND	SURFACE WATER	GRAB	15:00-16:00	AA	<	10.0	
9342GB7G	10/04	BACKGROUND	SURFACE WATER	GRAB	9:00-10:00	AA	<	10.0	
9343GB7G	10/04	BACKGROUND	SURFACE WATER	GRAB	10:00-11:00	AA	<	10.0	
9344GB7G	10/04	BACKGROUND	SURFACE WATER	GRAB	11:00-12:00	AA	<	10.0	
9344GB7G	10/04	BACKGROUND	SURFACE WATER	GRAB	11:00-12:00	AA	<	10.0	
9353GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	84.0%REC.	100.0	SPIKE
9354GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	93.0%REC.	200.0	SPIKE

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	380.0
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	120.0%REC. 3,700.0 SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	210.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	18.0
5164GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	17.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	17.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	14.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	15.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	13.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	14.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	18.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	70.0%REC. 1,900.0 SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	16.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	< 10.0
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	120.0%REC. 1,900.0 SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	20.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	20.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5234LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	17.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	19.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5241LNDG	05/24	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	130.0%REC. 1,900.0 SPIKE
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5251LBIG	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA		22.0	
5257SBIG	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA		20.0	
5257SBIG	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA		19.0	
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	<	10.0	
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	<	10.0	
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	<	10.0	
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	<	10.0	
5251LNDG	05/25	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	140.0%REC.	1,900.0	SPIKE
5262LBIG	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA		12.0	
5262LNDG	05/26	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	130.0%REC.	1,900.0	SPIKE
6067GBDG	06/06	BACKGROUND	SPIKED SAMPLE	GRAB	16:00-17:00	AA	45.0%REC.	1,100.0	SPIKE
6156SB2G	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA		11.0	
6152SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6153SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6151GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	130.0%REC.	40.0	SPIKE
6152GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	110.0%REC.	40.0	SPIKE
6153GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	120.0%REC.	40.0	SPIKE
6154GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	140.0%REC.	40.0	SPIKE
6155GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	12:00-13:00	AA	85.0%REC.	80.0	SPIKE
6156GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	AA	130.0%REC.	80.0	SPIKE
6152SBDG	06/15	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	9:00-10:00	AA	160.0%REC.	40.0	SPIKE
6156SN3G	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6152SN5G	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6197SB2G	06/19	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6192SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6193SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6192SN5G	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6203SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	<	1.0	
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	<	1.0	
9086GB8G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	<	1.0	
9351GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	105.0%REC.	40.0	SPIKE
9352GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	105.0%REC.	80.0	SPIKE

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		19.0	
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	<	10.0	
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	110.0%REC.	190.0	SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	110.0%REC.	190.0	SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	110.0%REC.	370.0	SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		11.0	
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5128GBBG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	<	10.0	
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	<	10.0	
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	<	10.0	
5169GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	<	10.0	
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	<	10.0	
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	<	10.0	
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	<	10.0	
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	<	10.0	
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	<	10.0	
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	105.0%REC.	190.0	SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	<	10.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	<	10.0	
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA		80.0	
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	<	10.0	
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	<	10.0	
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	<	10.0	
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	116.0%REC.	190.0	SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA		580.0	
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA		650.0	
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	<	10.0	
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	<	10.0	
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	<	10.0	
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA		1,100.0	
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	<	10.0	
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	<	10.0	
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	<	10.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER			
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		<	10.0	
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA		<	10.0	
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA		<	10.0	
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA		<	10.0	
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA		<	10.0	
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLF	16 HR. COMP.	8:00- 9:00	AA	105.0%REC.		190.0	SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA		<	10.0	
5258SN3G	05/25	NEUTRALIZATION	TREATED WATFR	6 HR. COMP.	15:00-16:00	AA		<	10.0	
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA		<	10.0	
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	105.0%REC.		190.0	SPIKE
6156SB2G	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA		<	10.0	
6156SB4G	06/15	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA		<	10.0	
6152SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6153SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA		<	10.0	
6151GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	110.0%REC.		40.0	SPIKE
6152GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	120.0%REC.		40.0	SPIKE
6153GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	120.0%REC.		80.0	SPIKE
6154GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	110.0%REC.		80.0	SPIKE
6152SBDG	06/15	BACKGROUND	SPIKFD SAMPLF	6 HR. COMP.	9:00-10:00	AA	130.0%REC.		40.0	SPIKE
6156SN3G	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA		<	10.0	
6152SN5G	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6197SB2G	06/19	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA			12.0	
6197SB4G	06/19	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA			24.0	
6192SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6193SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA		<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6192SN5G	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6207SB2G	06/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6207SB4G	06/20	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6203SB5G	C6/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA		<	10.0	
6204SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA		<	10.0	
6207SN3G	06/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6204SN5G	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	AA		<	10.0	
6207SNDG	06/20	NEUTRALIZATION	SPIKED SAMPLF	6 HR. COMP.	14:00-15:00	AA	67.0%REC.		40.0	SPIKE
6227SB2G	06/22	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA			22.0	
6226SB4G	06/22	BACKGROUND	SLUDGF	6 HR. CCMP.	13:00-14:00	AA		<	10.0	
6221SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	AA		<	10.0	
6221SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	AA		<	10.0	
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6226SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	13:00-14:00	AA		<	10.0	
6227SB5G	06/22	BACKGROUND	BLANK	6 HR. CCMP.	14:00-15:00	AA		<	10.0	
6226SBDG	06/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	74.0%REC.		110.0	SPIKE
6227SBDG	06/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	90.0%REC.		40.0	SPIKE
6226SN3G	06/22	NEUTRALIZATION	TREATED WATFR	6 HR. CCMP.	13:00-14:00	AA		<	10.0	
6222SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA		<	10.0	

CADMIUM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA	< 10.0
8314GB8G	08/31	BACKGRCUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	0.9
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	0.5
9086GB8G	09/08	BACKGRCUND	SPECIAL TYPF	GRAB	13:00-14:00	AA	0.5

CHROMIUM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	920.0
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	100.0%REC. 840.0 SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	100.0%REC. 840.0 SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	120.0%REC. 840.0 SPIKE
5114GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	130.0%REC. 1,680.0 SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	650.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	56.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	25.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	26.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	32.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	27.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	24.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14;00-15:00	AA	22.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	18.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	120.0%REC. 840.0 SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	11.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	< 10.0
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	91.0%REC. 840.0 SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	14.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	15.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	13.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5241LBDG	05/24	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	92.0%REC. 840.0 SPIKE
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0

CHROMIUM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	<	10.0	
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	<	10.0	
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	<	10.0	
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	<	10.0	
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	<	10.0	
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	100.0%REC.	840.0	SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	<	10.0	
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	<	10.0	
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	<	10.0	
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	98.0%REC.	840.0	SPIKE
6156SB2G	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6152SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6153SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6151GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	110.0%REC.	40.0	SPIKE
6152GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	120.0%REC.	40.0	SPIKE
6153GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	140.0%REC.	40.0	SPIKE
6154GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	68.0%REC.	80.0	SPIKE
6155GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	12:00-13:00	AA	96.0%REC.	80.0	SPIKE
6156GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	AA	150.0%REC.	80.0	SPIKE
6157GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	AA	140.0%REC.	80.0	SPIKE
6152SBCG	06/15	BACKGROUND	SPIKED BLANK	6 HR. COMP.	9:00-10:00	AA	63.0%REC.	40.0	SPIKE
6156SN3G	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA		32.0	
6152SN5G	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6197SB2G	06/19	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA		19.0	
6192SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6193SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6192SN5G	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6207SB2G	06/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA		15.0	
6203SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	<	10.0	
6204SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA	<	10.0	
6207SN3G	06/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6204SN5G	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	AA	<	10.0	
6207SNDG	06/20	NEUTRALIZATION	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	110.0%REC.	40.0	SPIKE
6227SB2G	06/22	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6226SB4G	06/22	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA		59.0	
6221SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	AA	<	10.0	
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6226SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6227SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6227SBCG	06/22	BACKGROUND	SPIKED BLANK	6 HR. COMP.	14:00-15:00	AA	90.0%REC.	40.0	SPIKE
6226SN3G	06/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	<	10.0	
6222SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA	<	10.0	
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA	<	10.0	

CHROMIUM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	1,600.0
8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	42,000.0
8314G08G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	25.0
9013G08G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	13.0
9017G03G	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	220.0
9056G03G	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	290.0
9067G03G	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	60.0
9076G03G	09/07	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	360.0
9086G08G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	11.0
9087G03G	09/08	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	600.0
9117SB4G	09/11	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	130.0
9124G03G	09/12	OZONATION	TREATED WATER	GRAB	11:00-12:00	AA	48.0
9351GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	95.0%REC. 400.0 SPIKE
9352GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	80.0%REC. 800.0 SPIKE
9353GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	75.0%REC. 20.0 SPIKE
9354GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	119.0%REC. 40.0 SPIKE

COPPER

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		84.0	
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	<	10.0	
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	95.0%REC.	80.0	SPIKE
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5128GBBG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	<	10.0	
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	<	10.0	
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		13.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	<	10.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	<	10.0	
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	<	10.0	
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	<	10.0	
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	<	10.0	
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	<	10.0	
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	<	10.0	
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	<	10.0	
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	120.0%REC.	40.0	SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	<	10.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	<	10.0	
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	<	10.0	
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	<	10.0	
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	<	10.0	
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	130.0%REC.	40.0	SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	<	10.0	
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	<	10.0	
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	<	10.0	
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	<	10.0	
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	<	10.0	
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	<	10.0	
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	<	10.0	
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	<	10.0	
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	<	10.0	
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	<	10.0	
5241LNDG	05/24	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	150.0%REC.	40.0	SPIKE
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	<	10.0	
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	<	10.0	
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	<	10.0	
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	<	10.0	
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	<	10.0	

COPPER

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5257SG1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5251LNDG	05/25	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	130.0%REC. 40.0 SPIKE
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5262LNDG	05/26	NEUTRALIZATION	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	140.0%REC. 40.0 SPIKE
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	140.0
8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	1,700.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	6.0
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	5.0
9017G03G	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	22.0
9056G03G	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	13.0
9067G03G	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	5.0
9076G03G	09/07	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	22.0
9086GB8G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	< 5.0
9087G03G	09/08	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	20.0
9117SB4G	09/11	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	5.9
9117G03G	09/11	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	30.0
9124G03G	09/12	OZONATION	TREATED WATER	GRAB	11:00-12:00	AA	22.0
9351GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	81.0%REC. 400.0 SPIKE
9352GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	88.0%REC. 800.0 SPIKE

CYANIDE

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5125GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	< 10.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5257GB1G	05/25	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5257GB5G	05/25	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0

LEAD

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	100.0%REC. 1,500.0 SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	56.0%REC. 1,500.0 SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	100.0%REC. 2,900.0 SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5128GB8G	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5163GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	< 10.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	20.0%REC. 1,500.0 SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	< 10.0
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	24.0%REC. 1,500.0 SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5241LBDG	05/24	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	29.0%REC. 1,500.0 SPIKE
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0

LEAD

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	25.0%REC. 1,500.0 SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5253LN5G	05/25	NEUTRALIZATION	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	37.0%REC. 1,500.0 SPIKE
6156SB2G	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
6156SB4G	06/15	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	3,400.0
6152SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6153SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
6151GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	120.0%REC. 40.0 SPIKE
6152GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	130.0%REC. 80.0 SPIKE
6152SBDG	06/15	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	9:00-10:00	AA	120.0%REC. 40.0 SPIKE
6156SN3G	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
6152SN5G	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6197SB2G	06/19	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
6197SB4G	06/19	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	97,000.0
6192SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6193SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
6192SN5G	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6207SB2G	06/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
6207SB4G	06/20	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	23,000.0
6203SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
6204SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
6207SN3G	06/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
6204SN5G	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	AA	12.0
6227SB2G	06/22	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
6226SB4G	06/22	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	81,600.0
6221SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	AA	< 10.0
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6227SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	14:00-15:00	AA	< 10.0
6227SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	14:00-15:00	AA	84.0
6226SN3G	06/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
6222SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA	22.0
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA	18.0
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	110.0
8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	370.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	< 3.0
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	< 3.0
9017GO3G	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	4.2

LEAD

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9056G03G	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	< 3.0
9067G03G	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	< 3.0
9076G03G	09/07	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	< 3.0
9086G08G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	< 3.0
9087G03G	09/08	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	< 3.0
9117S84G	09/11	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	3.0
9117G03G	09/11	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	< 3.0
9124G03G	09/12	OZONATION	TREATED WATER	GRAB	11:00-12:00	AA	< 3.0
9351GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	134.0%REC. 400.0 SPIKE
9353GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	75.0%REC. 20.0 SPIKE
9354GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	144.0%REC. 40.0 SPIKE

MERCURY

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	100.0%REC. 47.0 SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	83.0%REC. 47.0 SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	94.0%REC. 47.0 SPIKE
5114GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	85.0%REC. 47.0 SPIKE
5115GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	12:00-13:00	AA	80.0%REC. 92.0 SPIKE
5116GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	AA	76.0%REC. 92.0 SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5128GBAG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	< 10.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	78.0%REC. 47.0 SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	< 10.0
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	72.0%REC. 47.0 SPIKE
5239SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5241LBDG	05/24	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	74.0%REC. 47.0 SPIKE

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	83.0%REC. 47.0 SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	130.0%REC. 47.0 SPIKE
6117GBCG	06/11	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	AA	100.0%REC. 92.0 SPIKE
8228SB4G	08/22	BACKGROUND	SLUDGE	6 HR. COMP.	15:00-16:00	AA	100.0
8227SN3G	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8237SB2G	08/23	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	4.1
8237SS3G	08/23	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8237SSDG	08/23	SAND FILTER	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	120.0%REC. 40.0 SPIKE
8247SB2G	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8247SB4G	08/24	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	2,000.0
8243SB5G	08/24	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
8247SE3G	08/24	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8244SE5G	08/24	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8247SS3G	08/24	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8296SB2G	08/29	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	6,300.0
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	5,900.0
8294SB5G	08/29	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8296SE3G	08/29	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8296SEDG	08/29	CLARIFIER	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	110.0%REC. 40.0 SPIKE
8296SS3G	08/29	SAND FILTER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8294SS5G	08/29	SAND FILTER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8307SB4G	08/30	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	6,700.0
8307SE3G	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8316SB2G	08/31	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	100.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	< 0.2
8317SE3G	08/31	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9016SB4G	09/01	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	17,000.0
9013GB8G	09/01	BACKGRCUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	< 0.2
9017SE3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9017SF3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
9017G03G	09/01	OZCNATION	TREATEC WATER	GRAB	14:00-15:00	AA	< 0.2
9056SB2G	09/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9056SB4G	09/05	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	17,000.0
9056SE3G	09/05	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9056G03G	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	< 0.2
9066SB2G	09/06	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9066SB4G	09/06	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	8,000.0
9066SF3G	09/06	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9067G03G	09/06	OZONATION	TREATEC WATER	GRAB	14:00-15:00	AA	0.7
9076SB2G	09/07	BACKGROUND	SPIKED WATER	6 HR. CGMP.	13:00-14:00	AA	< 10.0
9077SB4G	09/07	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	3,400.0
9076SBDG	09/07	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	110.0%REC. 49.0 SPIKE
9077SBDG	09/07	BACKGROUND	SPIKED SAMPLF	6 HR. CCMP.	14:00-15:00	AA	110.0%REC. 6,000.0 SPIKF
9076SE3G	09/07	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9072SE5G	09/07	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9076G03G	09/07	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	< 0.2
9086SB2G	09/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9086SB4G	09/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	4,800.0
9082SB5G	09/08	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9086GB8G	09/08	BACKGRCUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	< 0.2
9086SE3G	09/08	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
9082SE5G	09/08	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9087G03G	09/08	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	< 0.2
9117SB2G	09/11	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	1.4
9117SB4G	09/11	BACKGROUND	SLUDGE	6 HR. CGMP.	14:00-15:00	AA	0.5
9117SF3G	09/11	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	0.5
9117G03G	09/11	OZONATION	TREATEC WATER	GRAB	14:00-15:00	AA	< 0.2
9124SB2G	09/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	11:00-12:00	AA	< 0.2
9124SF3G	09/12	CLARIFIER	TREATED WATER	6 HR. COMP.	11:00-12:00	AA	< 0.2
9124G03G	09/12	OZONATION	TREATEC WATER	GRAB	11:00-12:00	AA	1.0
9351GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	132.0%RFC. 750.0 SPIKE
9352GBCG	10/05	BACKGRCUND	SPIKED BLANK	GRAB	9:00-10:00	AA	128.0%REC. 1,500.0 SPIKE

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	7,200.0
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	100.0%REC. 327.0 SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	110.0%REC. 327.0 SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	98.0%REC. 327.0 SPIKE
5114GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	100.0%REC. 642.0 SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	5,200.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5128GB8G	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	400.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	380.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	400.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	340.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	600.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	400.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	21.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	190.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	200.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	200.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	22.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	240.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	400.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	400.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	26.0
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	22.0
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	170.0
6156SB2G	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	310.0
6152SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
6153SB5G	C6/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
6151GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	81.0%REC. 40.0 SPIKE

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|SAMPLE CODE|DATE |      UNIT       | SAMPLE TYPE  | COLLECTION |    TIME     |ANALYSIS|     MICROGRAM/LITER      |
|-----------|-----|-----------------|--------------|------------|-------------|--------|--------------------------|
| 6152GBCG  |06/15|BACKGROUND       |SPIKED BLANK  |GRAB        | 9:00-10:00|AA       | 94.0%REC.     40.0 SPIKE|
| 6153GBCG  |06/15|BACKGROUND       |SPIKED BLANK  |GRAB        |10:00-11:00|AA       | 58.0%REC.     40.0 SPIKE|
| 6154GBCG  |06/15|BACKGROUND       |SPIKED BLANK  |GRAB        |11:00-12:00|AA       | 53.0%REC.     40.0 SPIKE|
| 6155GBCG  |06/15|BACKGROUND       |SPIKED BLANK  |GRAB        |12:00-13:00|AA       | 58.0%REC.     80.0 SPIKE|
| 6156GBCG  |06/15|BACKGROUND       |SPIKED BLANK  |GRAB        |13:00-14:00|AA       | 95.0%REC.     80.0 SPIKE|
| 6157GBCG  |06/15|BACKGROUND       |SPIKED BLANK  |GRAB        |14:00-15:00|AA       | 90.0%REC.     80.0 SPIKE|
| 6156SN3G  |06/15|NEUTRALIZATION|TREATED WATER|6 HR. COMP. |13:00-14:00|AA        |               26.0      |
| 6152SN5G  |06/15|NEUTRALIZATION|BLANK        |6 HR. COMP. | 9:00-10:00|AA        |         <     10.0      |
| 6197SB2G  |06/19|BACKGROUND       |SPIKED WATER |6 HR. COMP. |14:00-15:00|AA        |              210.0      |
| 6192SB5G  |06/19|BACKGROUND       |BLANK        |6 HR. COMP. | 9:00-10:00|AA        |         <     10.0      |
| 6193SB5G  |06/19|BACKGROUND       |BLANK        |6 HR. COMP. |10:00-11:00|AA        |         <     10.0      |
| 6197SN3G  |06/19|NEUTRALIZATION|TREATED WATER|6 HR. COMP. |14:00-15:00|AA        |               16.0      |
| 6197SN3G  |06/19|NEUTRALIZATION|TREATED WATER|6 HR. COMP. |14:00-15:00|AA        |               21.0      |
| 6192SN5G  |06/19|NEUTRALIZATION|BLANK        |6 HR. COMP. | 9:00-10:00|AA        |         <     10.0      |
| 6207SB2G  |06/20|BACKGROUND       |SPIKED WATER |6 HR. COMP. |14:00-15:00|AA        |               19.0      |
| 6203SB5G  |06/20|BACKGROUND       |BLANK        |6 HR. COMP. |10:00-11:00|AA        |         <     10.0      |
| 6207SN3G  |06/20|NEUTRALIZATION|TREATED WATER|6 HR. COMP. |14:00-15:00|AA        |               22.0      |
| 6204SN5G  |06/20|NEUTRALIZATION|BLANK        |6 HR. COMP. |11:00-12:00|AA        |         <     10.0      |
| 6207SN0G  |06/20|NEUTRALIZATION|SPIKED SAMPLE|6 HR. COMP. |14:00-15:00|AA        | 52.0%REC.     40.0 SPIKE|
| 6227SB2G  |06/22|BACKGROUND       |SPIKED WATER |6 HR. COMP. |14:00-15:00|AA        |            1,600.0      |
| 6221SB5G  |06/22|BACKGROUND       |BLANK        |6 HR. COMP. | 8:00- 9:00|AA        |         <     10.0      |
| 6222SB5G  |06/22|BACKGROUND       |BLANK        |6 HR. COMP. | 9:00-10:00|AA        |               12.0      |
| 6222SB5G  |06/22|BACKGROUND       |BLANK        |6 HR. COMP. | 9:00-10:00|AA        |         <     10.0      |
| 6226SB5G  |06/22|BACKGROUND       |BLANK        |6 HR. COMP. |13:00-14:00|AA        |         <     10.0      |
| 6227SB5G  |06/22|BACKGROUND       |BLANK        |6 HR. COMP. |14:00-15:00|AA        |         <     10.0      |
| 6227SB0G  |06/22|BACKGROUND       |SPIKED SAMPLE|6 HR. COMP. |14:00-15:00|AA        |130.0%REC.     40.0 SPIKE|
| 6226SN3G  |06/22|NEUTRALIZATION|TREATED WATER|6 HR. COMP. |13:00-14:00|AA        |               16.0      |
| 6222SN5G  |06/22|NEUTRALIZATION|BLANK        |6 HR. COMP. | 9:00-10:00|AA        |         <     10.0      |
| 6227SN5G  |06/22|NEUTRALIZATION|BLANK        |6 HR. COMP. |14:00-15:00|AA        |         <     10.0      |
| 6227SN5G  |06/22|NEUTRALIZATION|BLANK        |6 HR. COMP. |14:00-15:00|AA        |         <     10.0      |
| 8237SB4G  |08/23|BACKGROUND       |SLUDGE       |6 HR. COMP. |14:00-15:00|AA        |              770.0      |
| 8317SB4G  |08/31|BACKGROUND       |SLUDGE       |6 HR. COMP. |14:00-15:00|AA        |            1,700.0      |
| 8314GB8G  |08/31|BACKGROUND       |SPECIAL TYPE |GRAB        |11:00-12:00|AA        |              550.0      |
| 9013GB8G  |09/01|BACKGROUND       |SPECIAL TYPE |GRAB        |10:00-11:00|AA        |              290.0      |
| 9017G03G  |09/01|OZONATION        |TREATED WATER|GRAB        |14:00-15:00|AA        |              290.0      |
| 9056G03G  |09/05|OZONATION        |TREATED WATER|GRAB        |13:00-14:00|AA        |              210.0      |
| 9067G03G  |09/06|OZONATION        |TREATED WATER|GRAB        |14:00-15:00|AA        |              270.0      |
| 9076G03G  |09/07|OZONATION        |TREATED WATER|GRAB        |13:00-14:00|AA        |              230.0      |
| 9086GB8G  |09/08|BACKGROUND       |SPECIAL TYPE |GRAB        |13:00-14:00|AA        |              340.0      |
| 9087G03G  |09/08|OZONATION        |TREATED WATER|GRAB        |14:00-15:00|AA        |              410.0      |
| 9117SB4G  |09/11|BACKGROUND       |SLUDGE       |6 HR. COMP. |14:00-15:00|AA        |                5.3      |
| 9117G03G  |09/11|OZONATION        |TREATED WATER|GRAB        |14:00-15:00|AA        |              370.0      |
| 9124G03G  |09/12|OZONATION        |TREATED WATER|GRAB        |11:00-12:00|AA        |              290.0      |
| 9351GBCG  |10/05|BACKGROUND       |SPIKED BLANK |GRAB        | 8:00- 9:00|AA        | 93.0%REC.    400.0 SPIKE|
| 9352GBCG  |10/05|BACKGROUND       |SPIKED BLANK |GRAB        | 9:00-10:00|AA        | 71.0%REC.    800.0 SPIKE|
| 9353GBCG  |10/05|BACKGROUND       |SPIKED BLANK |GRAB        |10:00-11:00|AA        | 75.0%REC.     20.0 SPIKE|
| 9354GBCG  |10/05|BACKGROUND       |SPIKED BLANK |GRAB        |11:00-12:00|AA        |140.0%REC.     40.0 SPIKE|
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SELENIUM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER			
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		<	10.0	
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA		<	10.0	
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	120.0%REC.		180.0	SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	110.0%REC.		180.0	SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	120.0%REC.		180.0	SPIKE
5114GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	110.0%REC.		230.0	SPIKE
5115GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	12:00-13:00	AA	100.0%REC.		230.0	SPIKE
5116GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	AA	100.0%REC.		230.0	SPIKE
5117GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	AA	120.0%REC.		230.0	SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		<	10.0	
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA		<	10.0	
5128GB8G	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA		<	10.0	
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA		<	10.0	
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		<	10.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA		<	10.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA		<	10.0	
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA		<	10.0	
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA		<	10.0	
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA		<	10.0	
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		<	10.0	
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		<	10.0	
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA		<	10.0	
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA		<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA		<	10.0	
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA		<	10.0	
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA		<	10.0	
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA		<	10.0	
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	99.0%REC.		47.0	SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA		<	10.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA		<	10.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA		<	10.0	
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA		<	10.0	
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA		<	10.0	
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA		<	10.0	
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA		<	10.0	
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	47.0%REC.		47.0	SPIKE
5239SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA		<	10.0	
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA		<	10.0	
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA		<	10.0	
5219LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA		<	10.0	
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA		<	10.0	
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA		<	10.0	
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
5244GB5G	05/24	BACKGROUND .	BLANK	GRAB	11:00-12:00	AA		<	10.0	
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA		<	10.0	
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5241LBDG	05/24	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	103.0%REC. 47.0 SPIKE
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	90.0%REC. 47.0 SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	89.0%REC. 47.0 SPIKE
8228SB4G	08/22	BACKGROUND	SLUDGE	6 HR. COMP.	15:00-16:00	AA	130.0
8227SN3G	08/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8237SB2G	08/23	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	120.0
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	170.0
8237SS3G	08/23	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	47.0
8247SB2G	08/24	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	210.0
8247SB4G	08/24	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	90,000.0
8243SB5G	08/24	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA	< 10.0
8247SE3G	08/24	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
8244SE5G	08/24	CLARIFIER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8247SS3G	08/24	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	130.0
8296SB2G	08/29	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	64.0
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	*********
8296SB4G	08/29	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	670,000.0
8294SB5G	08/29	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8296SE3G	08/29	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	65.0
8296SEDG	08/29	CLARIFIER	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	160.0%REC. 30.0 SPIKE
8296SS3G	08/29	SAND FILTER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	76.0
8294SS5G	08/29	SAND FILTER	BLANK	6 HR. COMP.	11:00-12:00	AA	< 10.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	240.0
8306SB2G	08/30	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	120.0
8307SB4G	08/30	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	330,000.0
8307SE3G	08/30	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	39.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	100.0
8307SS3G	08/30	SAND FILTER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	87.0
8316SB2G	08/31	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	< 10.0
8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	7,900.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	< 5.0
8317SE3G	08/31	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	73.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	140.0
9017SB2G	09/01	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	77.0
9016SB4G	09/01	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	430,000.0

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SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9014GBBG	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	< 5.0
9017SE3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	44.0
9017SE3G	09/01	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	83.0
9017G03G	09/01	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	70.0
9056SB2G	09/05	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	100.0
9056SB4G	09/05	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	490,000.0
9056SE3G	09/05	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	84.0
9055G03G	09/05	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	60.0
9066SB2G	09/06	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	240.0
9066SB4G	09/06	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	310,000.0
9066SE3G	09/06	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	120.0
9067G03G	09/06	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	52.0
9076SB2G	09/07	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	80.0
9077SB4G	09/07	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	18,000.0
9076SBDG	09/07	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	13:00-14:00	AA	170.0%REC. 30.0 SPIKE
9076SE3G	09/07	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	74.0
9072SE5G	09/07	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9076G03G	09/07	OZONATION	TREATED WATER	GRAB	13:00-14:00	AA	36.0
9086SB2G	09/08	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA	150.0
9086SB4G	09/08	BACKGROUND	SLUDGE	6 HR. COMP.	13:00-14:00	AA	8,100.0
9082SB5G	09/08	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	12.0
9086GBBG	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	< 5.0
9086SE3G	09/08	CLARIFIER	TREATED WATER	6 HR. COMP.	13:00-14:00	AA	60.0
9082SE5G	09/08	CLARIFIER	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
9087G03G	09/08	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	44.0
9117SB2G	09/11	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA	110.0
9117SB4G	09/11	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	38.0
9117SE3G	09/11	CLARIFIER	TREATED WATER	6 HR. COMP.	14:00-15:00	AA	100.0
9117G03G	09/11	OZONATION	TREATED WATER	GRAB	14:00-15:00	AA	40.0
9124SB2G	09/12	BACKGROUND	SPIKED WATER	6 HR. COMP.	11:00-12:00	AA	44.0
9124SE3G	09/12	CLARIFIER	TREATED WATER	6 HR. COMP.	11:00-12:00	AA	63.0
9124G03G	09/12	OZONATION	TREATED WATER	GRAB	11:00-12:00	AA	9.0
9351GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	120.0%REC. 500.0 SPIKE
9352GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	104.0%REC. 1,000.0 SPIKE
9353GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	116.0%REC. 100.0 SPIKE
9354GBCG	10/05	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	93.0%REC. 200.0 SPIKE

SILVER

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5123GBBG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5163GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	< 10.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0

SILVER

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	6.0
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	6.0
9086GB8G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	6.0

THALLIUM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA	< 10.0
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	110.0%REC. 4,800.0 SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5128GABG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA	< 10.0
5128GBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5168GA1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA	< 10.0
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5168GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA	< 10.0
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA	< 10.0
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA	< 10.0
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA	< 10.0
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA	< 10.0
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	110.0%REC. 2,400.0 SPIKE
5222GB1G	05/22	BACKGROUND	RAW WATER	GRAB	9:00-10:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5225GB1G	05/22	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5227SB1G	05/22	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA	< 10.0
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5222SB5G	05/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5223GB6G	05/22	BACKGROUND	FIELD SPIKE	GRAB	10:00-11:00	AA	< 10.0
5227SBDG	05/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	100.0%REC. 4,800.0 SPIKE
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5233GB5G	05/23	BACKGROUND	BLANK	GRAB	10:00-11:00	AA	< 10.0
5238LB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	15:00-16:00	AA	< 10.0
5232SB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	GRAB	10:00-11:00	AA	< 10.0
5241LB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5247SB1G	05/24	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5244GB5G	05/24	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5242SB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5241LBDG	05/24	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	110.0%REC. 2,400.0 SPIKE
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA	< 10.0
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA	< 10.0
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA	< 10.0

THALLIUM

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5257SR1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA	< 10.0
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA	< 10.0
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA	< 10.0
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA	< 10.0
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA	< 10.0
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	< 10.0
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA	110.0%REC. 2,400.0 SPIKE
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA	< 10.0
5262LR1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA	< 10.0
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	< 10.0
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA	110.0%REC. 2,400.0 SPIKE
9013GB8G	09/01	BACKGROUND	SPECIAL TYPE	GRAB	10:00-11:00	AA	< 10.0
9086GB8G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	< 10.0
							< 10.0
							< 10.0

ZINC

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER			
5117GB1G	05/11	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA			9,600.0	
5117GBBG	05/11	BACKGROUND	FIELD BLANK	GRAB	14:00-15:00	AA		<	10.0	
5111GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	99.0%REC.		110.0	SPIKE
5112GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	130.0%REC.		110.0	SPIKE
5113GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	110.0%REC.		110.0	SPIKE
5114GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	100.0%REC.		110.0	SPIKE
5115GBCG	05/11	BACKGROUND	SPIKED BLANK	GRAB	12:00-13:00	AA	91.0%REC.		220.0	SPIKE
5126GB1G	05/12	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		<	10.0	
5126GB5G	05/12	BACKGROUND	BLANK	GRAB	13:00-14:00	AA		<	10.0	
5128GBBG	05/12	BACKGROUND	SPECIAL TYPE	GRAB	15:00-16:00	AA		<	10.0	
5128CBBG	05/12	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA		<	10.0	
5167GB1G	05/16	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA			690.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA			730.0	
5168GB1G	05/16	BACKGROUND	RAW WATER	GRAB	15:00-16:00	AA			720.0	
5167GB5G	05/16	BACKGROUND	BLANK	GRAB	14:00-15:00	AA		<	10.0	
5164GB5G	05/16	BACKGROUND	BLANK	GRAB	15:00-16:00	AA		<	10.0	
5168GBBG	05/16	BACKGROUND	FIELD BLANK	GRAB	15:00-16:00	AA		<	10.0	
5176GB1G	05/17	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA			600.0	
5177GB1G	05/17	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA			690.0	
5176GB5G	05/17	BACKGROUND	BLANK	GRAB	13:00-14:00	AA			13.0	
5177GB5G	05/17	BACKGROUND	BLANK	GRAB	14:00-15:00	AA		<	10.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA			610.0	
5187GB1G	05/18	BACKGROUND	RAW WATER	GRAB	14:00-15:00	AA			600.0	
5187GB5G	05/18	BACKGROUND	BLANK	GRAB	14:00-15:00	AA		<	10.0	
5193GB1G	05/19	BACKGROUND	RAW WATER	GRAB	10:00-11:00	AA			490.0	
5193GB5G	05/19	BACKGROUND	BLANK	GRAB	10:00-11:00	AA		<	10.0	
5193GBDG	05/19	BACKGROUND	SPIKED SAMPLE	GRAB	10:00-11:00	AA	72.0%REC.		110.0	SPIKE
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA			12.0	
5224GB1G	05/22	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA		<	10.0	
5222GB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA		<	10.0	
5224GB5G	05/22	BACKGROUND	BLANK	GRAB	11:00-12:00	AA		<	10.0	
5222SB5G	05/22	BACKGROUND	BLANK	GRAB	9:00-10:00	AA		<	10.0	
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA			470.0	
5238SB1G	05/23	BACKGROUND	RAW WATER	6 HR. COMP.	15:00-16:00	AA			410.0	
5233GB5G	05/23	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA		<	10.0	
5238LB5G	05/23	BACKGROUND	BLANK	GRAB	15:00-16:00	AA		<	10.0	
5232SB5G	05/23	BACKGROUND	BLANK	16 HR. COMP.	9:00-10:00	AA			23.0	
5233GN3G	05/23	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	10:00-11:00	AA			13.0	
5241LB1G	05/24	BACKGROUND	RAW WATER	GRAB	8:00- 9:00	AA			470.0	
5247SB1G	05/24	BACKGROUND	RAW WATER	16 HR. COMP.	14:00-15:00	AA			520.0	
5244GB5G	05/24	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA		<	10.0	
5246GB5G	05/24	BACKGROUND	BLANK	GRAB	13:00-14:00	AA		<	10.0	
5242SB5G	05/24	BACKGROUND	BLANK	GRAB	9:00-10:00	AA		<	10.0	
5244GN3G	05/24	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	11:00-12:00	AA			28.0	
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA			20.0	
5254GB1G	05/25	BACKGROUND	RAW WATER	GRAB	11:00-12:00	AA			11.0	
5255GB1G	05/25	BACKGROUND	RAW WATER	GRAB	12:00-13:00	AA		<	10.0	
5256GB1G	05/25	BACKGROUND	RAW WATER	GRAB	13:00-14:00	AA		<	10.0	
5251LB1G	05/25	BACKGROUND	RAW WATER	16 HR. COMP.	8:00- 9:00	AA			430.0	
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA			420.0	

ZINC

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER		
5257SB1G	05/25	BACKGROUND	RAW WATER	6 HR. COMP.	14:00-15:00	AA			410.0	
5254GB5G	05/25	BACKGROUND	BLANK	GRAB	11:00-12:00	AA		<	10.0	
5256GB5G	05/25	BACKGROUND	BLANK	GRAB	13:00-14:00	AA		<	10.0	
5253LB5G	05/25	BACKGROUND	BLANK	16 HR. COMP.	10:00-11:00	AA			24.0	
5252SB5G	05/25	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
5251LBDG	05/25	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	8:00- 9:00	AA	36.0%REC.		110.0	SPIKE
5252LN3G	05/25	NEUTRALIZATION	TREATED WATER	16 HR. COMP.	9:00-10:00	AA			10.0	
5258SN3G	05/25	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	15:00-16:00	AA			21.0	
5262LB1G	05/26	BACKGROUND	RAW WATER	16 HR. COMP.	9:00-10:00	AA			410.0	
5262LBDG	05/26	BACKGROUND	SPIKED SAMPLE	16 HR. COMP.	9:00-10:00	AA	36.0%REC.		110.0	SPIKE
6156SB2G	06/15	BACKGROUND	SPIKED WATER	6 HR. COMP.	13:00-14:00	AA			300.0	
6152SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6153SB5G	06/15	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA		<	10.0	
6151GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	150.0%REC.		40.0	SPIKE
6152GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	9:00-10:00	AA	130.0%REC.		40.0	SPIKE
6153GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	10:00-11:00	AA	110.0%REC.		40.0	SPIKE
6154GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	11:00-12:00	AA	130.0%REC.		40.0	SPIKE
6155GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	12:00-13:00	AA	100.0%REC.		80.0	SPIKE
6156GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	13:00-14:00	AA	120.0%REC.		80.0	SPIKE
6157GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	14:00-15:00	AA	120.0%REC.		80.0	SPIKE
6158GBCG	06/15	BACKGROUND	SPIKED BLANK	GRAB	15:00-16:00	AA	100.0%REC.		80.0	SPIKE
6152SBDG	06/15	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	9:00-10:00	AA	78.0%REC.		40.0	SPIKE
6156SN3G	06/15	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA			18.0	
6152SN5G	06/15	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6197SB2G	06/19	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA			280.0	
6192SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA			22.0	
6193SB5G	06/19	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA			25.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6197SN3G	06/19	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA			78.0	
6192SN5G	06/19	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA			22.0	
6207SB2G	06/20	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA			280.0	
6203SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	10:00-11:00	AA		<	10.0	
6204SB5G	06/20	BACKGROUND	BLANK	6 HR. COMP.	11:00-12:00	AA		<	10.0	
6207SN3G	06/20	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	14:00-15:00	AA			11.0	
6204SN5G	06/20	NEUTRALIZATION	BLANK	6 HR. COMP.	11:00-12:00	AA		<	10.0	
6207SNDG	06/20	NEUTRALIZATION	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	80.0%REC.		40.0	SPIKE
6227SB2G	06/22	BACKGROUND	SPIKED WATER	6 HR. COMP.	14:00-15:00	AA			290.0	
6221SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	8:00- 9:00	AA		<	10.0	
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA			16.0	
6222SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6226SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	13:00-14:00	AA		<	10.0	
6227SB5G	06/22	BACKGROUND	BLANK	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6227SBDG	06/22	BACKGROUND	SPIKED SAMPLE	6 HR. COMP.	14:00-15:00	AA	110.0%REC.		40.0	SPIKE
6226SN3G	06/22	NEUTRALIZATION	TREATED WATER	6 HR. COMP.	13:00-14:00	AA			15.0	
6222SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	9:00-10:00	AA		<	10.0	
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA		<	10.0	
6227SN5G	06/22	NEUTRALIZATION	BLANK	6 HR. COMP.	14:00-15:00	AA		<	10.0	
8237SB4G	08/23	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA			910.0	
8317SB4G	08/31	BACKGROUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA			6,900.0	
8314GB8G	08/31	BACKGROUND	SPECIAL TYPE	GRAB	11:00-12:00	AA			760.0	

ZINC

SAMPLE CODE	DATE	UNIT	SAMPLE TYPE	COLLECTION	TIME	ANALYSIS	MICROGRAM/LITER
9013GB8G	09/01	BACKGROUND	SPECIAL TYPF	GRAB	10:00-11:00	AA	450.0
9017G03G	09/01	OZONATION	TREATEC WATER	GRAB	14:00-15:00	AA	20.0
9056G03G	09/05	OZCNATION	TREATED WATER	GRAB	13:00-14:00	AA	38.0
9067G03G	09/06	OZONATION	TRFATED WATER	GRAB	14:00-15:00	AA	60.0
9076G03G	09/07	OZONATION	TREATEC WATER	GRAB	13:00-14:00	AA	23.0
9086GB8G	09/08	BACKGROUND	SPECIAL TYPE	GRAB	13:00-14:00	AA	560.0
9087G03G	09/08	OZONATION	TREATED WATFR	GRAB	14:00-15:00	AA	78.0
9117SB4G	09/11	BACKGRCUND	SLUDGE	6 HR. COMP.	14:00-15:00	AA	19.0
9117G03G	09/11	OZONATION	TREATED WATFR	GRAB	14:00-15:00	AA	95.0
9124GB3G	09/12	BACKGRCUND	TREATEC WATER	GPAB	11:00-12:00	AA	78.0
9351GBCG	10/05	BACKGRCUND	SPIKED BLANK	GRAB	8:00- 9:00	AA	95.0%REC. 400.0 SPIKE
9352GBCG	10/05	BACKGROUND	SPIKFD BLANK	GRAB	9:00-10:00	AA	94.0%REC. 800.0 SPIKE
9353GBCG	10/05	BACKGRCUND	SPIKED BLANK	GRAB	10:00-11:00	AA	120.0%REC. 20.0 SPIKE
9354GBCG	10/05	BACKGRCUND	SPIKED BLANK	GRAB	11:00-12:00	AA	113.0%REC. 40.0 SPIKE